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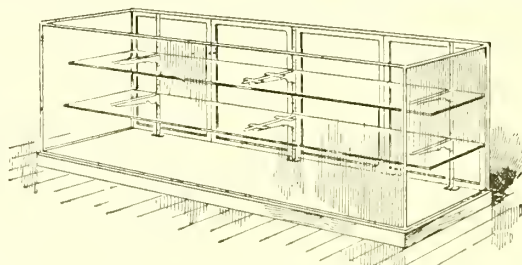
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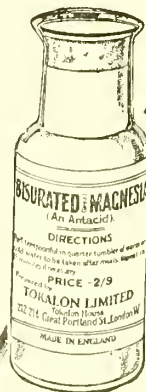
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Howards & Sons, Ltd.  
Sturge, John & E., Ltd.

**CLINICAL THERMOMETERS**

Burge Warren & Ridgley, Ltd.  
Bush, H. W., & Co., Ltd.  
Hicks, James J.  
Maw, S., Son & Sons  
Perken, Son & Co., Ltd.  
Pillscher, J.  
Powell, J. T., & Co.  
Reel, G. H.

**CLOTH BALLS**

O'Neil, Zetts & Co.  
Senior, Alf., & Co.

**COAL TAR SPECIALITIES**

Wright, Layman & Umney, Ltd.

**COCAINE**

Boehringer, O. F., & Soehne  
Buehler & Co.  
Marek, E.

**COCKROACH PASTE**

Howarth & Fair

**COCOA**

Cadbury Bros., Ltd.  
Plasmon, Ltd.

**COD LIVER OIL**

British Drug Houses, Ltd., The  
Bugge, Johann, & Co.  
Evans Sons Leecher & Webb, Ltd.  
Southall Bros. & Barclay, Ltd.  
Sparks, White & Co., Ltd.  
Wright, Layman & Umney, Ltd.

**COLLAPSIBLE TUBES**

Bette & Co., Ltd.

**COMBS**

Gripwell  
Hovenden, R., & Sons, Ltd.  
Simplex Conduits, Ltd.

**COMPLEXION SPECIALITIES**

Adair, Mrs.

**CONDENSERS**

Bennett Sons & Shears, Ltd.

**CONFECTIONERY,****MEDICATED**

Guest, Thos., & Co.  
Pascall, James, Ltd.

**CONTINENTAL PROPS.**

Breillon, M., & Co.  
Kopp & Joseph  
Roberts & Co.  
Schacht, Warner & Co.  
Wilcox, Jos. & Co.

**COPPERSMITHS**

Braithwaite, H., & Co.

**CORKS**

Mitchell, N. W., & Sons, Ltd.

**CORN EXTERMINATOR**

Gardner

**CORN PLASTERS**

Meierdorf, P., & Co.

Solport Bros.

**CORRUGATED PAPER**

Brightling, Geo. O., & Co., Ltd.

**COUNTER ADJUSTS**

Evans Sons Leecher & Webb, Ltd.

**COUNTER SPECIALITIES**

Allen & Hanbury, Ltd.  
British Drug Houses, Ltd., The  
Burgoyne, Burdidges & Co.  
Curling, Geo., Wyman & Co.  
Hewlett, C. J., & Sons, Ltd.  
Southall Bros. & Barclay, Ltd.  
Wright, Layman & Umney, Ltd.

**COUNTING AND FILLING****MACHINE**

Forgrove Machinery Co., Ltd.

**COURT PLASTER**

Solport Bros.

**CREOSOTE**

Baies Bros. & Stevenson, Ltd.

Morse, T., & Son

**CREPE BANDAGES**

Gimber, W., & Son  
Burge, Warren & Ridgley, Ltd.  
Norwich Crepe Co. (1856), Ltd.  
Wood, Vincent

**CYANIDES**

May & Baker, Ltd.

**DAIRY SPECIALITIES**

Fullwood, R. J., & Bland  
Oldfield, Pattinson & Co.  
Tomlinson & Hayward, Ltd.

**DENTAL MECHANICS**

Fentiman, A. G.  
Fentiman, A. J., & Co.  
Halder, E. C.  
Wardale, F. C., & Co.

**DENTAL TOOLS, &c.**

Oughtons, Ltd.

Edwards' Dental Mfg. Co., Ltd.

**DENTIFRICES**

Becham, T.  
Bell (John), Hills & Lucas, Ltd.  
Berliner, Arthur  
Blackie, Robert  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Cox, Arthur H., & Co., Ltd.  
Ewery, Ltd.

Gibbs, D., & W., Ltd.

Hayden Cottin T. F.

Jewsbury & Brown

McKesson & Robbins

Maw, S., Son & Sons

Odol Chemical Works

Parke, Davis & Co.

Standard Tablet & Pill Co., Ltd.

Woolley, J., Sons & Co. Ltd.

**DEVELOPERS (PHOTO)**

Evans Sons Leecher & Webb, Ltd.  
Express Developing Co.  
Johnson & Sons (Mfg. Opts.)

**DEXTRINE**

Finck, F., & Co.

**DIABETIC FOODS**

Scott, R. M.

Van Abbot, G., & Sons

**DIGESTIVE PRODUCTS**

Fairchild Bros & Foster

**DISINFECTANTS**

Baies Bros & Stevenson, Ltd.  
Burt, Boulton & Haywood, Ltd.  
Chemical Union, Ltd.  
Condy & Mitchell, Ltd.  
Cook, E., & Co., Ltd.  
Hillson Henry, Ltd.  
Sanitas Co. Ltd.  
Stevenson, H. E., & Co.  
Willows, Francis B. & F.  
Wright, Layman & Umney, Ltd.

**DISINTEGRATORS**

Hardy Patent Pick Co. Ltd.

**DRUGGISTS' SUNDRIES**

Ayrton, Saunders & Co., Ltd.  
Barclay & Sons, Ltd.  
Berliner, Arthur  
Brook, Parker & Co., Ltd.  
Brytetele Manfg. Co.  
Burge, Warren & Ridgley, Ltd.  
Bush, H. W., & Co., Ltd.  
Edwards, W., & Son  
Evans Sons Leecher & Webb, Ltd.  
Hovenden, R., & Sons, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.

Newbery, F., & Sons, Ltd.

Poths, H., & Co.

Queleh, H. C., & Co.

Sangers

Schutze, F., & Co., Ltd.

Solport Bros.

Southall Bros. & Barclay, Ltd.

Swales, Thomas

Toogood, W., Ltd.

Toser, J. V.

Wattenbach, O.

Woolley, J., Sons & Co., Ltd.

**DRUGS, CRUDE**

Burkert, Sharp & Co

Gathergood's Exor.

Goodall, Backhouse & Co.

Potter & Clarke, Ltd.

Sehmitt & Widenhays

**EARTHENWARE JARS, &c.**

Fulham Pottery & Chas.

Filter Co., Ltd.

**EAU DE COLOGNE**

Bronnley, H., & Co., Ltd.

Farine, J. M.

Farine, J. M. (No. 4)

Fierne, Courtenay & Co.

McCracken, J. & E.

Rebata, F., & Co., Ltd.

**EDUCATIONAL INSTIT.**

Bath & West of England Coll.

Birmingham & Midland Coll.

Charleston, J.

College of Preceptors

Elt's College

Glasgow School of Pharmacy

Liverpool School of Pharmacy

London College of Pharmacy

North of England School

Northern College of Pharmacy

South of England College

Westminster College

**EFFERVESCENT PREPS.**

Allen & Hanbury, Ltd.

Ayrton, Saunders & Co., Ltd.

Bishop, Alfred, Ltd.

Blyton, Astley & Co.

Bristol-Myers Co.

Cupal, Ltd.

Evans Sons Leecher & Webb, Ltd.

Guest, Thos., & Co.

Kerfoot, Thos., & Co.

Lorimer-Marshall, Ltd.

Roade Bros. & Co., Ltd.

Shirley Bros, Ltd.

Wright, Layman & Umney, Ltd.

Wyleys, Ltd.

**EGG PRESERVATIVES**

Keeps, Ltd.

**ELASTIC HOSIERY**

Ayrton, Saunders & Co., Ltd.

Burge, Warren & Ridgley, Ltd.

Haywood, J. H., Ltd.

Maw, S., Son & Sons

Wood, Vincent

**ELECTRICAL NOVELTIES**

Evans Sons Leecher & Webb, Ltd.

Millard Bros., Ltd.

Simplex Conduits, Ltd.

Tokalon, Ltd.

Ward & Goldstone

**EMERY AND CLOTH**

Oakey J., & Sons, Ltd.

**EMETINE SALTS**

Macfarlan, J. F., & Co.

Whiffen & Sons, Ltd.

**EMULSIFIERS**

Bennett, Sons & Shears, Ltd.

Wilkinson, S. W., & Co.

**EMULSIONS, C.I.O., &c.**

Ayrton, Saunders & Co., Ltd.

Baies Bros. & Stevenson, Ltd.

Blackie, Robert

Boulton Macro, Ltd.

British Drug Houses, Ltd.

Parke, Davis & Co.

Scott & Bowne, Ltd.

Stevenson, H. E., & Co.

Wyleys, Ltd.

**ENAMELLED HOSPITAL**

Requisit

Orme, Evans & Co. Ltd.

**END RUNNER MILLS**

Hardy Patent Pick Co., Ltd.

**ENEMAS**

Burge, Warren & Ridgley



## MUSTARD SEED OIL

**MUSTARD SEED OIL**  
Johnson, J. H. & S.

**MUSTARD PLASTER**  
Blyton, Astley & Co.  
Hueb, Julius

**NAIL POLISH PAPER, &c.**  
Pharm. Ind. Ges. Offenbach

**NAPHTHALINE**  
Burt, Boulton & Haywood, Ltd.

**NICOTINE**  
Campbell, J. D.

**NIGHT LIGHTS**  
Price's Patent Candle Co., Ltd.

**OILS, ESSENTIAL**  
Allen, Stafford, & Sons, Ltd.  
Alliance Drug & Chemical Co.  
Boake Roberts & Co., Ltd.  
Bonaventura, F. & Co.  
Bush, W. J., & Co., Ltd.  
Dodge & Olcott Co.  
Evans Sons Lescher & Webb, Ltd.  
Jackson, John, & Co.  
London Essence Co.  
Lneders, George, & Co.  
Poppelreuter, W.  
Ransom, W., & Son, Ltd.  
Schimmel & Co.  
Stevenson & Howell, Ltd.  
Wright, Layman & Umney, Ltd.  
Zimmerman, Chas., & Co.

**OILS, MINERAL, FATTY &c**  
Allen, Stafford, & Sons, Ltd.  
Price's Patent Candle Co.  
Stern Sonneborn Oil Co., Ltd.

**GINTEMENTS**  
Blackie, Robert  
Burgess, E.  
Oldfield, Pattinson & Co.

**OPTICAL GOODS**  
Botwright & Grey  
Darton, F., & Co.  
Nisabe & Gunther Opt. Co., Ltd.  
Standard Optical Co.

**OPTICAL TUITION**  
British Optical Institute, Ltd.  
College of Optics  
Spectacle Makers Company

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Idris & Co., Ltd.  
Millar, A., & Co., Ltd.  
Robinson, B., & Co., Ltd.

**ORGANIC SOLVENTS**  
Hopkin & Williams, Ltd.

**OTTO OF ROSE (SYNTH.)**  
Bash W. J., & Co., Ltd.  
Givaudan, L.  
Kerfoot, Thos., & Co.  
Stevenson & Howell, Ltd.  
Warrick Bros., Ltd.  
Wright, Layman & Umney, Ltd.

**OVERALLS**  
Lilywhite, Ltd.

**PACKED GOODS**  
Allen & Hanbury, Ltd.  
Baies Bros. & Stevenson, Ltd.  
Blackie, Robert  
Boulton Macro, Ltd.  
Cox, Arthur H., & Co., Ltd.  
Christy, Thos., & Co.  
Cupal, Ltd.  
Curling, Geo., Wyman & Co.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb, Ltd.  
Goodall, Baokhouse & Co.  
Harker, C. R., Stag & Morgan  
Lofthouse & Saltmer, Ltd.  
Lorimer Marshall, Ltd.  
May, Roberts & Co., Ltd.  
Oldfield, Pattinson & Co.  
Potter & Clarke, Ltd.  
Sangers  
Shirley Bros., Ltd.  
Southall Bros. & Barclay, Ltd.  
Standard Tablet & Pill Co., Ltd.  
Toogood, W., Ltd.

**PALATINOLDS**  
Oppenheimer, Son & Co., Ltd.

**PAPER HANDKERCHIEFS**  
Powell J. T. & Co.

**PARAFFINUM LIQUIDUM**  
Burgoyne, Burbidges & Co.  
Price's Patent Candle Co.  
Schliemann's Oil & Ceresine Co.  
Stern Sonneborn Oil Co., Ltd.

**PATENT AGENTS**  
Barker, R. W.  
Raworth, John E.



**PASTILLES**

Allen & Hanbury, Ltd.  
Asche, O. F., & Co.  
Blyton, Astley & Co.  
Burroughs Wellcome & Co.  
Evans Sons Leecher & Webb, Ltd.  
Guest, Thos., & Co.  
Kerfoot, Thomas, & Co.  
Warriek Bros., Ltd.

**PELLETS**

Blyton, Astley & Co.

**PEPPERMINT OIL**

Bush, W. J., & Co., Ltd.  
Dodge & Olcott Co.  
Jackson, John, & Co.  
Ransom, W., & Son, Ltd.

**PERFUME MATERIALS**

Boehringer, C. F., & Soehne  
Bonaventura, F., & Co.  
Bush, W. J., & Co., Ltd.  
Givaudan, L.  
Kerfoot, T., & Co.  
Lueders, George, & Co.  
Naef, M., & Co., Succors.  
Schimmel & Co.  
Wright, Layman & Umney, Ltd.  
Zimmerman, Chas., & Co.

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Baiss Bros. & Stevenson, Ltd.  
British Drug Houses, Ltd., The  
Bronnley, H., & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Christy, T., & Co.  
Erasmo Co., Ltd.  
Evans Sons Leecher & Webb, Ltd.  
Fickus, Courtenay & Co.  
Lescol Perfumery Co.  
McCracken, J. & E.  
Pazery, Richard  
Potter & Clarke, Ltd.  
Price's Co., Ltd.  
Priebe & Constance, Ltd.  
Quelch, H. C., & Co.  
Raynaud, Claude, & Cie  
Shirley Bros., Ltd.  
Southall Bros. & Barclay, Ltd.  
Vinolia Co., Ltd.  
Warriek Bros., Ltd.  
West, T. & Son

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Tye, John, & Son

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Burge, Warren & Ridgley, Ltd.  
Rendell, W. J.

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Chesebrough Manfg. Co.  
Kidston, W. M., & Co.  
Stern Sonneborn Oil Co., Ltd.

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May & Baker, Ltd.

**PHOTO. CHEMICALS**

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Johnson & Sons (Mfg. Chms.), Ltd.

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Ayrton, Saunders & Co., Ltd.  
Barclay & Sons, Ltd.  
Burroughs Wellcome & Co.  
Butcher, W. & Sons, Ltd.  
Chemists' Photographie Assn.  
Evans Sons Leecher & Webb, Ltd.  
Express Developing Co.  
Kent, G. B., & Sons, Ltd.  
Lennon, Ltd.  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Rajar, Ltd.  
Sangers

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Rajar, Ltd.

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Blyton, Astley & Co.  
Cox, A. H., & Co., Ltd.  
Davies, Sons & Co.  
Lloyd, H., & Co., Ltd.  
McKesson & Robbins  
Standard Tablet & Pill Co., Ltd.  
Stohr, Dr. Franz, Ltd.  
Wand Manufacturing Co.

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Allcock Manfg. Co.  
Beiersdorf, P., & Co.  
Berliner, Arthur  
Blyton, Astley & Co.  
Dalmas, A. de St., & Co.  
Galen Manfg. Co., Ltd.

**PLATE POWDER**

Lee, A., & Co.

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Darter, Wilkinson & Co.  
Smith Bros. & Co.

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Ward & Goldstone

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Oskey, J., & Sons, Ltd.

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Pharm. Ind. Ges. Offenbach  
Priebe & Constance, Ltd.

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Townsend, J., & Sons  
Waide, T., & Son  
Wilkinson, James F.

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Bresillon, M., & Co.  
Burgess, B.  
Chemische Fabrik von Heyden  
Christy, T., & Co.  
Coleman & Co., Ltd.  
Compagnie Juvenileau  
Corbyn, Stacey & Co., Ltd.  
Crimson Cross Dispensary  
Cupal, Ltd.  
Daisy, Ltd.  
Davenport, J. T., Ltd.  
Dearborn, Ltd.  
De Roos, Johnson & Co.  
Duncan, Flockhart & Co.  
Ecosolent Compounds, Ltd.  
Edwards, W., & Son  
Evans Sons Leecher & Webb, Ltd.  
Expurgo Manfg. Co.  
Faulding, F. H., & Co.  
Fellows' Med. Manfg. Co.  
Fenning, Alfred  
Ferra & Co., Ltd.  
Fulford, C. E., Ltd.  
Goodall, Backhouse & Co.  
Harrison, Geo. W.  
Henry, T. & W.  
Hommel's (Dr.) Haematogen  
Ichthyol Gesellschaft  
International Laboratories  
Kay Bros., Ltd.  
Kutnow, S., & Co., Ltd.  
Kyo Proprietary, Ltd.  
Little, D. J., Co.  
London Proprietary Co.  
Martindale, W.  
May, Roberts & Co., Ltd.  
Midland Drug Co.  
Mumford, G. S., & Sons  
Newbery, F., & Sons, Ltd.  
Odol Chemical Works  
Oppenheimer, Son & Co., Ltd.  
Owbridge, W. T., Ltd.  
Phillips, Chas. H., Chem. Co.  
Primer, J.  
Radiator Co.  
Reade Bros. & Co., Ltd.  
Resinol Chemical Co.  
Riedel, J. D., Co.  
Saccharin Corporation, Ltd.  
Sanskak, Ltd.  
Sangers  
Santag Co.  
Schimmel & Co.  
Scott & Bowne, Ltd.  
Squire & Sons, Ltd.  
Standard Tablet & Pill Co., Ltd.  
Stedman, J. H.  
Thompson & Capper, Ltd.  
Tokalon, Ltd.  
Tozer, Jas V.  
Transatlantic Ex. and Import Co.  
Tunbridge & Wright  
Warriek Bros., Ltd.  
White, A. J., Ltd.  
Wilcox, Joseph & Co.  
Woodward, W., Ltd.  
Wright, Layman & Umney, Ltd.  
Wimmermann, C., & So.

**PUFFS**

Colnport Bros.

**PUMPS**

Barkfeld Filter Co., Ltd.

**QUININE AND SALTS**

Alliance Drug & Chem. Co.  
Boehringer, C. F., & Soehne  
Buchler & Co.  
Corbyn, Stacey & Co., Ltd.  
Howards & Sons, Ltd.

**RADIUM AND SALTS**

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Hopkin & Williams, Ltd.

**RAZORS**

Morenden, R., & Sons, Ltd.  
Maw, S., Son & Sons  
Wright, Archd. J., Ltd.

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Macfarlan, J. F., & Co.  
McGowan, T., & Son  
Ransom, W., & Son, Ltd.  
Smith, T. & H., Ltd.

**RESPIRATORS**

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Burge, Warren & Ridgley, Ltd.  
Haywood, J. H., Ltd.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Tompkins, J., Ltd.  
Warne, W., & Co., Ltd.

**RUBBER STAMPS**

Richford, O. D.

**SACCHARIN**

Saccharin Corporation, Ltd.

**SANTONIN**

Merck, E.  
Smith, B. A., & Co.

**SAPONIN**

Field, C. W.

**SCIENTIFIC APPARATUS**

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Reynolds & Branson, Ltd.  
Perken, Son & Co., Ltd.  
Pillischer, J.

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Tidman & Son, Ltd.

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Hawker, Arthur E.  
Tomlinson & Hayward, Ltd.

**SEEDS**

Potter & Clarke, Ltd.

**SERUMS AND ANTITOXINS**

Allen & Hanbury, Ltd.  
Burroughs Wellcome & Co.  
Evans Sons Leecher & Webb, Ltd.  
Parke, Davis & Co.  
Schimmel & Co.  
Wilcox, Joseph & Co.

**SHAMPOO POWDERS**

Standard Tablet & Pill Co., Ltd.

**SHARES**

McAdam & Tackniss

**SHEEP DIPS**

Burt, Boulton & Haywood, Ltd.  
Chemical Union, Ltd.  
Tomlinson & Hayward, Ltd.

**SHOP FITTINGS**

Ayrton-Graham, Ltd.  
Evans Sons Leecher & Webb, Ltd.  
Grant, D.  
Harrie & Sheldon, Ltd.  
Josephs, Philip, & Sons, Ltd.  
Maw, S., Son & Sons  
Mills, H.  
Parnall & Sons  
Renduck & Co.  
Sangers  
Southall Bros. & Barclay, Ltd.

**SHOULDER STRAPS**

Wood Vincent

**SHOWCARDS**

Bell Advertising Co.

**SILVERWARE TOILET GOODS**

Scott Adolph

**SOAP-MAKING PLANT**

Forshaw, E., & Son, Ltd.

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Armour & Co., Ltd.  
Bell (John), Hills & Lucas, Ltd.  
Bronnley, H., & Co., Ltd.  
Calvert, F. C., & Co.  
Chesebrough Manfg. Co.  
Christy, Thos., & Co.  
Cook, E., & Co., Ltd.  
Erasmo Co., Ltd.  
Eseryl, Ltd.  
Evans Sons Leecher & Webb, Ltd.  
Field, J. C. & J., Ltd.  
Fulford, C. E., Ltd.  
Gibbs, D. & W., Ltd.  
Harrison, G. W.  
Hovenden, R., & Sons, Ltd.  
Lescol Perfumery Co.  
McClinton's, Ltd.  
Pears, A. & F., Ltd.  
Price's Patent Candle Co., Ltd.  
Providol Company  
Resinol Chemical Co.  
Wright, Layman & Umney, Ltd.

**SODA FOUNTAINS**

Flugel & Co.

**SODIUM BICARBONATE**

Branner, Mond & Co., Ltd.  
Howards & Sons, Ltd.  
Mumford, G. S., & Sons

**SOOTHERS**

Newbery, F., & Sons, Ltd.  
Schutts, F., & Co., Ltd.

**SPECTACLES**

Botwright & Grey  
Darton, F., & Co.  
Maw, S., Son & Sons  
Nitsche & Gunther Opt. Co., Ltd.

**SPERMACETI**

Price's Patent Candle Co., Ltd.

**SPHYGMOMETERS**

Hicks, James J.

**SPICES**

Goodall, Backhouse & Co.

**SPIRIT OF WINE**

Burrough, J., Ltd.  
Calder, James, & Co., Ltd.  
Preston's Liverpool Distillery

**SPONGES**

Internl. Sponge Importers, Ltd.

**SPRAYS**

Benton & Stone, Ltd.  
Burge, Warren & Ridgley, Ltd.  
Christy, Thos., & Co.  
Hovenden, R., & Sons, Ltd.  
Maw, S., Son & Sons  
Parke, Davis & Co.  
Sangers  
Toogood, Wm., Ltd.

**SPRINKLER CORKS**

Reite & Co. Ltd.

**SPRUCE BEER**

Hobson, Joseph, & Son

**STARCH**

Mumford, G. S., & Sons

**STILLS**

Bennett, Sons & Shears, Ltd.  
Forshaw, E., & Son, Ltd.  
Stokes, F. J., Machine Co.

**STOPPERS**

Stipendium Stopper Co.

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Bailey W. H., & Son, Ltd.  
Berliner, Arthur  
Burgoyne, Burbridges & Co.  
Burroughs Wellcome & Co.  
Carnegie Bros.  
Dalmas, A. de St., & Co.  
Davis, John Morgan, & Sons  
Galen Manfg. Co., Ltd.  
Gimber, W., & Son  
Haynes, G., & Co.  
Haywood, J. H., Ltd.  
Liverpool Lint Co.  
Macfarlan, J. F., & Co.  
Martindale, W.  
Mason Bros. & Chapman  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Quelch, H. C., & Co.  
Reynolds & Branson, Ltd.  
Robinson & Sons, Ltd.  
Southall Bros. & Barclay, Ltd.  
Taylor, W. G.  
Van Horn & Sawtell  
Vernon & Co., Ltd.  
Warne, W., & Co., Ltd.  
Wood, Vincent  
Woolley, J., Sons & Co., Ltd.

**SYPHON FILLER**

Flugel & Co.

**SYPHONS**

Barnett & Foster  
Camwal, Ltd.  
Idrie & Co., Ltd.  
Pure Aeration Supply, Ltd.  
Sharman's Pat. Syphon Co., Ltd.

**SYRINGES**

Bush, H. W., & Co., Ltd.

**SYRUPS, MEDICINAL**

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Martindale, W.  
Sinalco Co., Ltd.

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Allen & Hanbury, Ltd.  
Bennett, Sons & Shears, Ltd.  
Thompson & Capper, Ltd.  
Wilkinson S. W., & Co.

**"TABLOID" PRODUCTS**

Burroughs Wellcome & Co.

**TAP JARS**

Fulham Pottery & Chem.  
Filter Co., Ltd.



**TABLETS, COMPRESSED**  
 Allen & Hanbury, Ltd.  
 Bishop, Alfred, Ltd.  
 Blyton, Astley & Co.  
 British Drug Houses, Ltd., The  
 Brook, Parker & Co., Ltd.  
 Burgoyne, Burbidge & Co.  
 Cartwright, W. B., Ltd.  
 Cox, A. H., & Co., Ltd.  
 Davies, Sons & Co.  
 Denison, Flockhart & Co.  
 Evans Sons Leecher & Webb, Ltd.  
 Guest, Thos., & Co.  
 Howards & Sons, Ltd.  
 Johnson, Ernest, & Co.  
 Johnson & Sons (Mfg. Chas).  
 Lloyd, H., & Co., Ltd.  
 Martindale, W.  
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With or without heating, whichever kind is preferred.  
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As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

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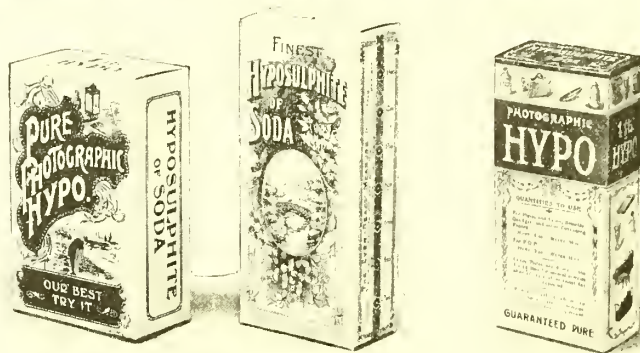
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Supplied in  
lots of 250  
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Write for our Price Lists of Boxes for Spring Specialities.

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Cardboard Box Manufacturers,  
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Maw's

Page.

The page  
you are  
looking  
for

No. 133.

MAY 2, 1914.

TELEPHONE (4 LINES)  
LONDON WALL 3230  
TELEGRAMS & CABLES  
'ELEVEN, LONDON'  
CODE ABC (4" & 5" EDN)

# B733/F-B739/F-B741/F

QUOTE THESE NUMBERS WHEN NEXT ORDERING  
BREAST RELIEVERS

## NOTES & NEWS

### CLINICAL THERMOMETERS

AS a further aid to selling, we are now supplying a handsome Show-stand free with a selection of six of our bulbous variety Clinical Thermometers. It is made of metal, aluminium finish, with green lettering, and fitted with two of each half, one, and three minute patterns. Price complete, 4/6. Only one stand supplied to each customer.

### OUR SPONGE QUOTATIONS

WE recommend the following assortments of Sponges: Any half-cases sent on approval, carriage paid one way. Good quality Sponges, 72 pieces, £5-16-6. Retail, 1/- to 2/-. Good quality, 33 pieces, £6-11-6. Retail, 3/6 to 8/6. Boldest quality, 33 pieces, £5-12-6. Retail, 3/- to 7/6. Special discount 5% invoice, and 5% monthly account.

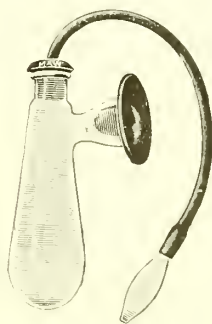
### A PROFITABLE LINE

SUBSTANTIAL and protected profits assured. On this important guarantee has been based the success of our new "Parex" Tooth Powder. It is a splendid dentifrice, put up in dainty tins, and advertised by means of novel stand-up Sale Cards. Are you giving "Parex" Tooth Powder full opportunity to attract customers?

### NEW WASHING GLOVES

PACKED in one-dozen pairs in a box, the record value of our new series of Washing Gloves should appeal to Pharmacists. Coloured stars indicate the values, as follows: White 1/10, red 2/3, green 3/4, blue 3/6, purple 4/-, per dozen pairs.

Made from special stout glass tubing, and carefully annealed—thus obviating the danger of breakage these British-made Breast Relievers represent three of our oldest established selling lines. There must be a reason for their permanent sales.



B739 F.  
12/- per doz.



B741 F.  
7/6 per doz.



B733 F.  
3/9 and 5/9 per doz.

B733 F is supplied with black fittings; B741 F with box-wood-top cork and valve, and black fittings; and B739 F with rubber lining. Good advice is worth repeating: Quote the above numbers when next ordering Breast Relievers. For other patterns see pp. 88-89 in our List.

Now turn back to last week's "Maw's Page"—you have probably a copy of the "C. & D." handy—and read our interesting issue devoted to the "Angle Corn Parer," Corn Rasps, Knives, Plasters, and Protectors, the "Atlas" Foot Support, Toe and Bunion Easers, Bunion Pads, the "Toe-Col" and "Aldersgate" Corn Silk. It is appropriately entitled

FOOT COMFORT  
FOR  
CUSTOMERS



# ERASMIC

## Window Display Competition

We have received a large number of letters from customers saying that

*The 1d. "Peerless"*

is creating a huge demand for the 4d. size.

Our "Special Bonus" Offer is already an assured success

*Have you sent your order to—*

**"Erasmic," Perfumers, Warrington?**

CHUITINAEF & CO.

## M. NAEF & CO.

(Successors)

GENEVA, Switzerland.

**WORLD - RENOWNED PERFUMERS**  
are now using our leading Specialties in  
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**We** cannot improve our qualities, **but You** can blend our ingredients and produce exquisite Perfumes.

*Up-to-date Novelties for modern floral odours are*

<b><u>Cyclosia</u></b> . . .	As indispensable as Jonone in modern perfume laboratories.
<b><u>Lilafleur</u></b> . . .	The most delightful and refreshing Lilac odours ever produced.
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**LATEST FINE SELLING NOVELTY**

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**TOOTH POWDER**

**COMPRESSED, PTD.**

(From a Prescription of his father, Dr. C. R. COFFIN),  
**NOT A SOAP. NOT A PASTE. UNIQUE ARTISTIC PUT-UP.**

*Now on Sale at*

BARKER'S, HARRODS', SELFREDGE'S,  
WHITELEY'S, ARMY & NAVY STORES,  
and leading WEST-END CHEMISTS.

**ALSO THE**

## HAYDEN COFFIN

**HYGIENIC TOOTH BRUSH** (Rgd.)

*Retail Prices:*

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*Trade Supplied by*

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# THE STICK THAT NEVER STICKS

## —IT SELLS!



5/- per doz. In Aluminium Cases packed in attractive Outers, as illustration.

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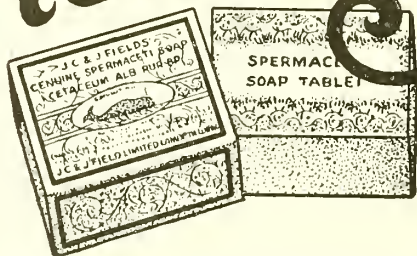


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IDEAL FOR THE NURSERY.  
An Excellent White Skin Soap  
for all tender skins.

SELLING AT 4<sup>D</sup> PER TABLET

# Field's Spermaceti TOILET SOAP



Shows an excellent profit.  
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There is also a "FREE SAMPLE SCHEME" in connection.

Manufacturers of "MIGNONETTE," "LILY CREAM," "SAVON aux FLEURS," and other Brands of TOILET SOAPS, showing TRADE PROFITS of from 28% to 40%.

We make a speciality of the preparation of CHEMISTS' PROPRIETARY LINES, and cordially invite applications for SAMPLES and PRICES. Price List on application.

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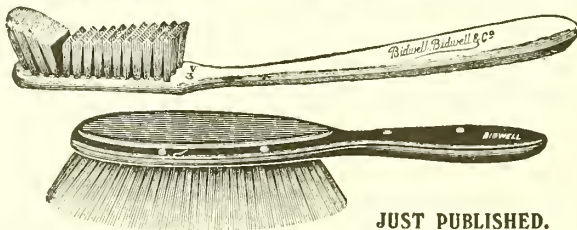
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Perfumed Olive Oil Soap - 2d. Tablets.  
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**SHOWCARDS of PROVED ATTRACTION with EACH LINE.**

“ Olivene ” Soap (PALM AND  
OLIVE OIL) - 6d. Tablets.

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(These will be very popular for the Holidays.)

To enable you to GIVE them to your customers

**A PUBLICITY SCHEME IS NOW RUNNING**

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*UNIQUE AND TELLING WINDOW DISPLAY MATTER.*

*MAY WE SEND YOU PRICES AND PARTICULARS ?*

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The number of dentifrices is myriad, their names are legion.

*But—*

in principle and in efficiency there is but one,

# CALOX

## THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

*Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.*

*Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.*

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A. plan.

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**WILLIAM LASSON'S  
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1/4 & 1/2	6 & 8	12	16 ozs.
8/-	9/-	13/-	18/- per gross.

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**CHEAP BOTTLES for Dispensing.**  

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1/4	1	1 1/2	2 ozs.
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Orders sent to either establishment have attention.  
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There is a widespread demand for a Milled  
Soap specially prepared for use in the Bath!

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## BATH BOUQUET SOAP.

Large Circular Tablets.

**8 Varieties.**

Shows a good profit  
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**6 Varieties.**

Shows a good profit  
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Price List on application.

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# TUNGSTEN LAMP PATENTS.

## Important Notice.

The manufacturers of the following Tungsten filament electric lamps:—

**MAZDA**  
LAMPS

**OSRAM**  
LAMPS

**WOTAN**  
LAMPS

beg to inform the Trade and Public that arrangements have been completed whereby they

**license each other under all patents**

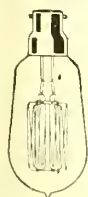
at present held individually for the protection of their respective well-known electric lamps.

The principal patents are as follows:—

Patent No. 27712 of 1903	Patent No. 21513* of 1906	Patent No. 19932 of 1908	Patent No. 20224 of 1911
" " 23899* of 1904	" " 23335 of 1906	" " 23499 of 1909	" " 20380 of 1911
" " 20277* of 1904	" " 18622 of 1906	" " 2759 of 1910	" " 27360 of 1911
" " 27713 of 1904	" " 3174 of 1907	" " 8031 of 1910	" " 28576 of 1911
" " 27714 of 1904	" " 8563 of 1907	" " 15621 of 1910	" " 873 of 1912
" " 19379 of 1905	" " 16503 of 1907	" " 23121 of 1910	" " 874 of 1912
" " 20175* of 1905	" " 16530 of 1907	" " 24549 of 1910	" " 2284 of 1912
" " 23437 of 1905	" " 16531 of 1907	" " 1161 of 1911	" " 3840 of 1912
" " 3213* of 1906	" " 5387 of 1908	" " 1162 of 1911	" " 11439 of 1912
" " 6803 of 1906	" " 8421 of 1908	" " 8004 of 1911	etc., etc.
" " 12325 of 1906	" " 17350 of 1908	" " 17722 of 1911	

They are of opinion that

**these patents control the entire Tungsten lamp situation**



and they HEREBY WARN DEALERS IN AND USERS OF LAMPS OTHER THAN THE ABOVE-MENTIONED or those licensed under certain of such patents, that they are liable to be proceeded against for infringement.



NOTE.—Complete list of licensees will be sent to interested parties upon application to any of the undersigned.

(Signed)

BRITISH  
THOMSON - HOUSTON  
COMPANY, Ltd. (B.T.H.),  
LONDON, E.C.

**MAZDA**  
DRAWN WIRE  
LAMPS

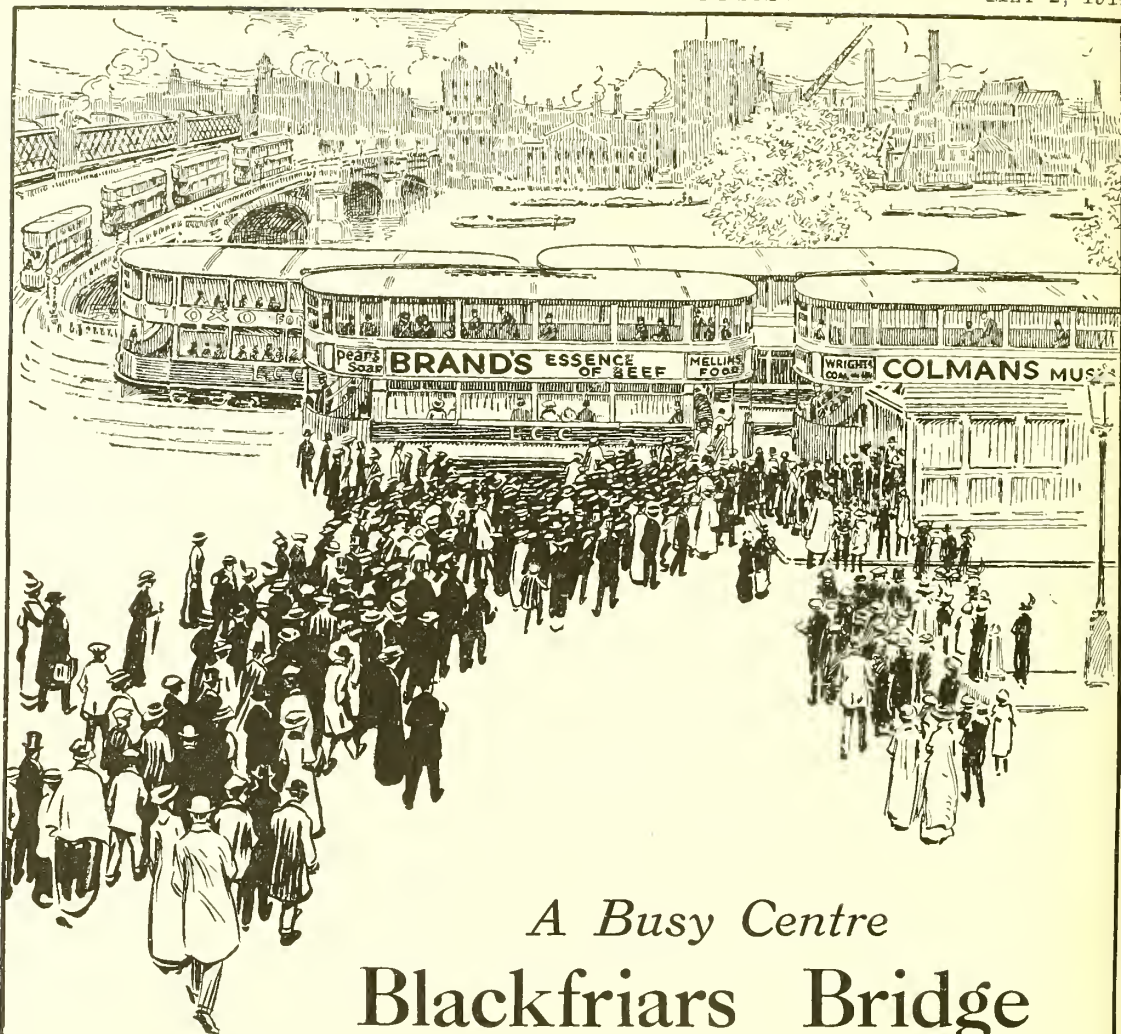
THE GENERAL  
ELECTRIC COMPANY,  
Ltd. (G.E.C.),  
LONDON, E.C.

**OSRAM**  
DRAWN WIRE  
LAMPS

SIEMENS BROTHERS  
DYNAMO WORKS, Ltd.,  
LONDON, N.E.

**WOTAN**  
DRAWN WIRE  
LAMPS





## A Busy Centre Blackfriars Bridge

**W**atch the homeward-bound crowds at this point any evening. For many hours big queues form here to be carried to Brixton, Clapham, Kennington, Norwood, Peckham, Streatham, Wandsworth, and intermediate districts. These districts all have their shopping centres and market places—good centres—where these people spend their money.

Are your goods on sale in these districts? The passengers on the tramcars are regular passengers—you appeal to them morning and evening, day after day. A telling advertisement *must* make sales.

Know more of Tramcar publicity. Write for the booklet—"A Moving Force," free on request to

# W. H. SMITH & SON

Official Advertising Agents for the L.C.C. Tramways  
95 Fetter Lane, London, E.C.



## **2/8<sup>d</sup>. PER PAGE PER THOUSAND**

is little enough to ask  
advertisers who desire to  
bring their business pro-  
posals before the wonderful  
public of prosperous men  
and women reached by

# The Daily Mirror

A certified circulation of  
over **900,000 copies**  
**per day** at £120 per page  
means less than 2/8<sup>d</sup>. per  
page per thousand copies.  
It is a marvel of cheapness.

Write to the Advertising Manager, Mr.  
G. A. GODLEY, 23 to 29 Bouverie Street,  
London, E.C. Telegrams: "Reflexed, Fleet,  
London." Telephones: 6100 Holborn (5 Lines).



*Attractive  
Make-up**Large  
Profit**Quick  
Selling*

Free Showcards.  
Various Designs.  
Formula Supplied.

1000 Envelopes :  
1 Gross Cartons  
5000 Circulars :  
26 -

# Walk Easy Foot Bath Powder

## TRY A WINDOW DISPLAY THIS SEASON

Telegrams:  
"SILVERLOCK,  
Sedist, London."

**SUTTLEY & SILVERLOCK, Ltd.**  
— BLACKFRIARS ROAD, LONDON, S.E. —

Telephone:  
"HOP 3474."  
4 Lines.

WHY NOT HAVE  
A  
TASTEFULLY  
PRINTED  
HEADING?

OUR FRIENDS ARE  
WELCOME TO  
SPECIMEN ON  
ENQUIRING

JAMES TOWNSEND  
& SONS,  
EXETER AND LONDON.

Have the claims against you for Workmen's Compensation been light? If they have, the "London and Midland" will give you a very favourable quotation. We have special schemes for dealing with this branch of insurance which show a great saving to large employers of labour. Est. 1859.

Write to-day for Prospectus "Q 5" to the London and Midland Insurance Co., Ltd., 39, 40, 41, New Broad St., London, E.C. The Oldest Independent Fire Office.

*Near the British Museum.*

### KINGSLEY HOTEL

HART STREET, BLOOMSBURY SQUARE, LONDON.

*Opposite the British Museum.*

### THACKERAY HOTEL

GREAT RUSSELL STREET, LONDON.

These well-appointed and commodious TEMPERANCE HOTELS have Passenger Lifts, Bath Rooms on every floor, Lounges and spacious Dining, Drawing, Writing, Reading, Billiard and Smoking Rooms.

Perfect Sanitation. Fireproof Floors. Telephones. Night Porters. Bedroom, Attendance, and Table d'Hote Breakfast, single, from 5/6 to 7/6; with Table d'Hote Dinner, from 8/6.

Full Tariff and Testimonials on application.

TELEGRAPHIC ADDRESSES { Kingsley Hotel. Thackeray Hotel,  
"Bookcraft London." "Thackeray London."  
Telephones: Regent 2083, Regent 2041.



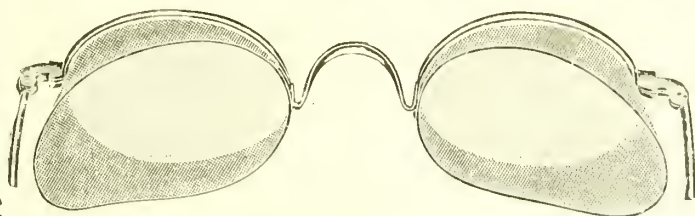
# F. DARTON & CO. *Manufacturing Opticians*

142 ST. JOHN STREET  
& 52 Clerkenwell Road

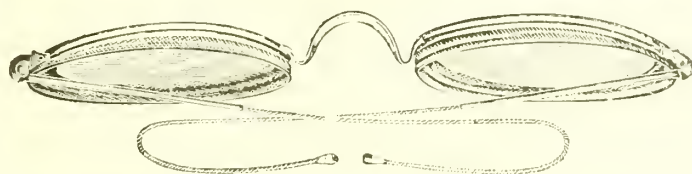
LONDON, E.C.

## Cyclist & Motorist Goggles & Eye Protectors

Collapsible



Goggles



Our stock of various patterns in the above, guaranteed London made and of the best materials and workmanship, is now ready. Prices are considerably lower than hitherto, which fact, combined with the high standard of quality, will lead to a heavy demand. We advise our clients to send at once for samples.

The following lists are available on receipt of Trade application:—General Optical, Opera and Field Glasses, Telescopes, &c., Barometers and Thermometers, Compasses, &c.

## WILL CHEMISTS and DRUG STORE PROPRIETORS TAKE NOTICE THAT THOS. WAIDE & SONS

Chemists' Printers.

are specially fitted out to supply them with every kind of Printed matter, Labels, Cartons, Envelopes, in every shape, size, and form. We have hundreds of Registered Designs that will do for you. You have but to write us what you want, and we will let you have it by next post. We have Representatives covering England, Ireland, Scotland, and Wales. If you would like to see any of our Travellers, a post card to us would ensure the man working your ground calling upon you at an early date. Write us at once.

**THOMAS WAIDE & SONS, Printers, Darlington Street, Kirkstall Road, LEEDS.**

### Save Your Clothes!

Keep them from Chemical Stains.

Fig. 1. THE COMBINATION OVERALL, in Brown, with detachable buttons, 6/6 post paid.

Fig. 2. THE COVERALL COAT, in Khaki, detachable buttons, 45 in. long, 6/6 post paid.

Fig. 3. SERVICEABLE BLACK APRONS, 1/6 post paid.

Fig. 4. JACKET and TROUSERS SUIT OVERALLS, in Brown or Blue, 7/- post paid. Jacket or Trousers separately, 3/6 post paid.

Lilywhite, Ltd.  
Halifax, England.



Fig. 1.



Fig. 2.



Fig. 3.

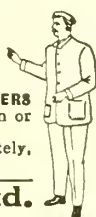


Fig. 4.

## Corks for Chemists

NATIONAL INSURANCE CORKS.

6 & 8 oz., 1 in. long, at 4½d. per gross.  
30 gross bag post free for 11/-

Free sample sent on application.

N. W. MITCHELL & SONS, Ltd.,  
"Bouchon" Works,  
Limehouse, London, E.



The most famous European Fly Catcher is  
**AEROXON**  
 with its Pin!



See the Pin!

Full guarantee that Aeroxon keeps perfect during 2 seasons!

If your dealer cannot supply you, write direct for quotation and samples to

**Aeroxon Fly Catcher Works,**  
**Lux Bros., Ltd. 87 Boro' High Street, London, S.E.**

**The Best of all Fly Catchers**



**TUNBRIDGE & WRIGHT'S  
 Fly Cemetery**

The original and best  
 of all Sucky Fly  
 Papers, 5/- per gross  
 net, carriage paid.  
 Cash with order.



**TUNBRIDGE & WRIGHT'S  
 Cemetery Fly Tape**



Very neat, simple, and effica-  
 cious, 6/6 per gross net, car-  
 riage paid. Two gross lots  
 and up 6/- per gross, carriage  
 paid. Cash with order.

**TUNBRIDGE & WRIGHT'S  
 Cemetery Fly Band**

The neatest, simplest, and cleanest of all band  
 catchers. Packed in boxes containing three  
 dozen. 7/- per gross net, carriage paid.

Cash with order.

**TUNBRIDGE & WRIGHT  
 READING**

London Depot—20 LITTLE BRITAIN, E.C.  
 N. of England—4 Gallowgate, NEWCASTLE-ON-TYNE  
 Telegrams: "FLIES READING." Telephone: 496 Reading.

*The* **DEADLY HOUSE FLY**

When requiring a high-class, neat, efficient  
 reliable line for destroying this pest, try

**BROWN'S**  
 perfect  
**"FLIBAN"**

OR

**BROWN'S**  
 improved  
**"FLICO"**



(2½ ft. long × 2½ in. wide)



(about 3 ft. long × ½ in. wide)

**TWO LINES YOU CAN DEPEND ON.**

**BRITISH MANUFACTURE.** Quality unsurpassed. Splen-  
 did keeping qualities, popular everywhere, repeats  
 assured, and shows a grand margin of profit to retailers.

**OBTAINABLE FROM ALL WHOLESALEERS**  
 or from the Sole Manufacturers and Proprietors,

**The BROWN MANUFACTURING Co. Ltd.**  
**Letchworth, Herts.**

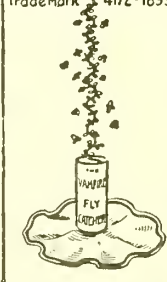
**SEND FOR SAMPLES AND PRICES TO-DAY.**

**FLYCATCHERS.**

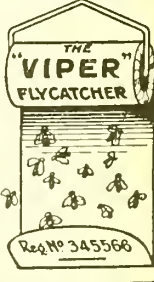
THE  
**"FLYSAC"**  
 Reg. Trade Mark  
 Pat. No. 20631-1909



THE  
**"VAMPIRE"**  
 Reg. Trade Mark  
 Pat. No. 4172-1899



THE  
**"VIPER"**  
 Reg. Trade Mark  
 Pat. No. 566-1909



**"COME TO STICK!"**

These three makes, no longer an experiment, but  
 an attained success, are made of the best materials  
 obtainable, and are neatly displayed and packed with  
 smart, up-to-date advertising matter.

**BIG PROFITS. QUICK SALES. LARGE REPEATS.**

Send for Samples and Prices. They bear out our claims.

SOLE MAKERS AND PATENTEES:

**KAY BROTHERS, Ltd., Stockport**

Nat. Tel. 247.

Telegrams: "KAY STOCKPORT."





## COCKROACHES CLEARED WITH BLATTIS, THE UNION PASTE.

Guaranteed by E. Howarth, F.Z.S., who destroyed a plague of them at Sheffield Workhouse in 1896. Supplied by order to the Royal Household at Sandringham.

Recommended by Dr. H. Woodward, F.R.S.; Canon Kinton Jacques, R.D.  
Wholesale Agents: F. Newbery & Sons, 27 Charterhouse Square, London, E.C.;  
Evan Sons Leschber & Webb, Ltd., 56 Hanover St., Liverpool; John Thompson,  
Ltd., 58 Hanover St., Liverpool; Ayrton, Saunders & Co., Liverpool; Sangers',  
42A Hampstead Road, London; May, Roberts & Co., Ltd., 7/11 Clerkenwell Rd.,  
London.

Retail Agents: Butler & Crispe, 82 Clerkenwell Rd., London, E.C.; R. Hovenden & Sons, Ltd., 29, 30, 32 & 33 Berners St., Oxford St., London, W.; Boots Ltd., London and Manchester.

## INDEX and BUYERS' GUIDE

**See pages 5 to 9.**

## STEINER'S VERMIN PASTE

*Destroys* RATS, COCKROACHES, &c.

Sold in 3d., 6d. and 1s. Glass Jars, and 2s. 6d. Tins.  
Warranted for Home and Export Trade.

## STEINER'S INSECT POWDER

**KILLS BUGS, FLEAS, MOTHS, BLACKBEETLES,  
AND ALL OFFENSIVE INSECTS.**

Sold in 3d., 6d. and 1s. Tins with Perforated Tops,  
and 2s. 6d. Tins.

*Manufactured by* **E. STEINER & Co.,**  
Clemence Street, Limehouse, London, E.  
*ESTABLISHED 1866.*

## Saleable Articles for the Garden *with 25% profit*

# Reade Brothers' Lawn Sand

For killing Daisies and other weeds on  
Lawns.

In 1/- and 2/- Tins.

14-lb. bags 3 6

28-lb. bags 6/6

56-lb. „ 12/-

1-cwt. „ 20/-

# Reade Brothers' Chemical Fertilizer

For Lawns and Gardens.

In 1/- and 2/- tins.

$\frac{1}{4}$ -cwt. bags 6/6

 $\frac{1}{2}$  cwt.  $11/6$ 

1 cwt. 20/-

## Reade Brothers' Earthworm Killer

For killing Worms on Lawns without injury to the Grass. Non-poisonous to Birds.

**In Bags.**

28 lb. 4/-

56 lbs. 7/6

1 cwt. 12/6

# Reade Brothers' Weed Killer

**In Powder.**

In Tins 1/9 each.

These Prices are subject to a discount to the Trade of 25 %. Carriage Paid on £1 worth and upwards.

# Reade Brothers & Co.

LTD.

**Manufacturing Chemists, Wolverhampton.**



## COLONIAL RATS DIE

Mr. GRIFFITHS, Chemist, Queenstown, Cape Colony, writes: "Orders arriving from all parts of the Colony—due entirely to recommendation. It is by far the best vermin exterminator in South Africa."

Mr. SCOTT, Bank of Bombay, Poona, writes: "Results from your excellent rat killer 'RODINE' are simply amazing."

### "RODINE" RAT POISON

"Rodine" is delivered free to any shipping port in the United Kingdom immediately on receipt of Draft on London Bank or Indent through Wholesale House.

For immediate option of Sole Agency, apply to the Maker—

**HARLEY,** Manufacturing Chemist, **PERTH, SCOTLAND.**

Export Agents: **TOZER, KEMSLEY & FISHER, LTD.**  
84 Fenchurch Street, London, E.C.



## PLATYPUS BRAND OIL OF EUCALYPTUS GLOBULUS

It is the **ONLY OIL** on the market upon which **POSITIVE RELIANCE** can be placed for absolute **CONSTANCY OF QUALITY**, and for that reason is well worth the extra price. Globulus Oil cannot be made at the same price as the common Australian Mallee Oil, as it produces less and the leaves are more difficult to obtain, but its medicinal value is much higher, and—**IT CONTAINS NO IRRITANTS.**

### PRICES IN BULK.

1 lb.	...	...	...	2 6	per lb.
5 lb.	...	...	...	2 4	"
10 lb.	...	...	...	2 3	"
25 lb.	...	...	...	2 2	"
56 lb.	...	...	...	2 -	"

Packages free.

### BOTTLED AND PACKED IN ELEGANT CARTONS.

On the P.A.T.A.		Per doz.	Minimum Retail Price.
2d. Sample, in box of 1 doz.	...	1 3	2d.
3d. Sample, in boxes of one doz. and 6 doz. outer	...	1 8	2 1/2d.
4d. size in cartons and 1 doz. outer	...	2 4	3 1/2d.
6d. size in cartons and 1 doz. outer	...	3 8	5 1/2d.
1/- size in cartons and 1 doz. outer	...	7 4	11d.

**THE TASMANIAN EUCALYPTUS OIL CO., Ltd.**  
Asylum Road, London, S.E.

## The "Milner" STRAW HAT CLEANER



**STOCK NOW.  
SELLING WELL. 2<sup>D</sup>**

It is easily used and gives complete satisfaction.

3 doz. with Hat - 4/- net.

6 " " - 7 " "

12 " " - 13/- " "

Carrriage Paid.

2 gross, 25% 5 gross, 5%

10 gross, 7%

13 to doz. for cash with order.

**Milner's Chemical Co.,**

ROBSON ST., LIVERPOOL.

## MEDICAL DISPENSING BOTTLES.

**T. FERRY & SON, Ltd.,**  
PARK LANE GLASS WORKS,  
GATESHEAD - ON - TYNE.

Telegrams:  
"BOTTLES.GATESHEAD."

Telephone:  
70 GATESHEAD.

"Yes, It's Deadly!"



MINIMUM RETAIL			
3d. size	...	2/- doz.	6d. size ... 4/- doz.
4 1/2d. "	...	3/- doz.	1/- " ... 8/- doz.
3, 6 size (1 lb.)	...	28/- doz.	

**Evans Sons Lescher & Webb Limited**  
London & Liverpool



# ZETTS CLOTH BALL

6d. size sells at 3d., cost 19 6 per gross.

1- " " " 6d. " 39- " "

3 dozen assorted carriage paid.

Your address on 6 dozen either size.

## O'NEIL, ZETTS & CO.

61 King William Street, E.C.

Scotch House :—Munro, M'Laren & Sutherland, Glasgow.

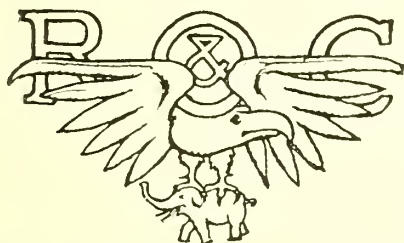
Wholesale **ALL BRITISH** Only.

## + CRÊPE BANDAGES. +

In various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich, who are acknowledged to be the only manufacturers in Great Britain.

## INDEX and BUYERS' GUIDE

See pages 5 to 9.



If you assume  
that when customers say 'I want a  
Vacuum Flask,' they mean 'I want a

# "ROC"

## SUPERTESTED VACUUM FLASK

you will be doing them a service and so  
ensuring their custom for other things.

Try it!

“Roc” Vacuum Flasks are supplied in  
various finishes at all prices—but in only  
one quality—the best.

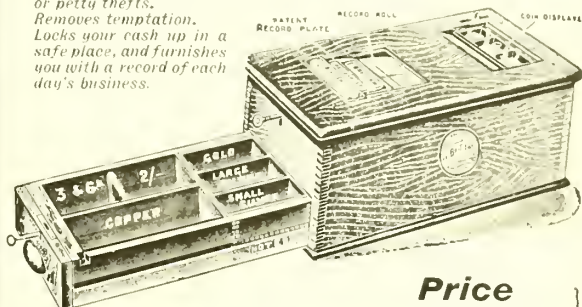
**READ & CAMPBELL, LTD.,**  
CRAIG'S COURT, CHARING CROSS, LONDON.

## MONEY WOULDN'T BUY IT FROM ME!

*This is what a Chemist wrote us the other day.*

## YOU CANNOT AFFORD TO BE WITHOUT THE **BRITISH** 1914 **MODEL TILL.**

There's no Till built by anybody anywhere to equal it.  
It enforces the registration before Cash Drawer can be opened.  
Prevents loss through errors in change, disputes with customers,  
or petty thefts.  
Removes temptation.  
Locks your cash up in a  
safe place, and furnishes  
you with a record of each  
day's business.



**Price**  
**£3 9s.**

*It's easy to give a penny too much in change—isn't it?*

*It's such a small amount, but a penny a day is sixpence per week  
or 26/- a year. This Till prevents this loss, and if it saves  
you only one penny a day will show you a return of 42% on its cost.  
How do you know that mistakes and other leakages of much larger  
amounts are not taking place daily in your Pharmacy?  
Install The "BRITISH," and in less than six months you'll  
be writing us similarly to the Chemist who wrote that "Money  
wouldn't buy it from him."*

**TEST IT FREE. We'll send it at our risk.**

**BRITISH MACHINE CO. Ltd., Patent Till Works, HALIFAX.**

## Genuine Thermos Flasks

NEW PATTERNS FOR 1914.

## Immense Improvements!



PRICES TO SUIT  
EVERYBODY.

**Retail Price**

from **2/6** each.

**LIBERAL TRADE  
DISCOUNT.**

WRITE FOR FEBRUARY  
1914 PRICE LIST.

Sole Manufacturers and Distributors :—

**Thermos Limited, 8 Long Lane,**  
**Aldersgate Street, London, E.C.**



## **“Extra Refined” Borax is the Grade recommended for Medicinal Purposes**

Varying interpretations of the Food and Drugs Act often lead the unsuspecting druggist into trouble. There is always the possibility that the ordinary Commercial Quality Borax, though 99.50% pure, may be officially regarded as unsuitable for sale as a drug. All trouble is avoided by specifying

### **Extra Refined Guaranteed B.P. Quality**

*“Twenty Mule Team” Brand.*

It is sold in the form of stainless crystals and fine white powder, and although the cost of refining is considerably greater, the price is only £1 per ton higher than for Commercial Quality. Order (through your wholesale house) exactly as above, and be on the safe side. Sample on request.

**Borax Consolidated Ltd., 16 Eastcheap,  
London, E.C.**

## **“SOLAZZI” LIQUORICE JUICE**

**THE CHEMISTS’ BRAND.**

**‘The Lancet’ says: ‘Of Standard Purity’**

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

### **CUSHION SHAPED LIQUORICE and MENTHOL PELLETS.**

**THE ORIGINAL AND THE BEST.**

3s. 6d. per lb. Also in Tins at 2/- and 4/- doz.

**ERNEST JACKSON & CO.,**

**Crediton, & Plantain Place, Crosby Row, Borough, S.E.**

Telegrams:

“Jackson Crediton.”



# HORLICK'S MALTED MILK Lunch Tablets

MALTED BARLEY, WHEAT & MILK in TABLET Form.

In Glass Pocket Flasks.

Costs the Trade 9/- for Single Dozens.

ESPECIALLY CONVENIENT FOR TRAVELLERS  
:: SPORTSMEN, ATHLETES AND CYCLISTS. ::

Write for particulars to—

**HORLICK'S MALTED MILK CO.**  
SLOUGH, BUCKS., England.

**A NEW SIZE  
TO SELL FOR  
ONE SHILLING.**



One Dozen Flasks for Counter Display.

## Lofthouse & Saltmer, Ltd.

Wholesale and Export Drug Merchants,  
Manufacturing Chemists

### HULL

Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	Protected Retail Price.	Dozen Net.
"LOSALL'S SALT (well advertised), tins	6d.	3/6
" " " " " " " "	1/-	7/-
" " " " " " " " bottles in cartons	1/6	10/6

"Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line."

### LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/- 8/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

**SPECIAL TERMS ARE OFFERED FOR  
WHOLE OR PART WINDOW DISPLAYS.**

## VEROX

ALL BEEF. ALL BRITISH

Fluid Beef is the line that sells. More cups to the bottle, better quality and low minimum selling prices are a few points that, backed by good advertising, create the demand.

### 25% Profit

One quarter of the selling price is yours. Send to-day for free sample, price list, and special advertising terms to—

TOOTH'S Liebig (Est. 1865),  
23 LEMAN STREET, LONDON, E.

PURE EGGS  
LECITHIN

### LECITHIN EX OVO LECITHIN-ALBUMEN POWDER

For the manufacture of Tablets, Chemical Foods, Nerve Tonics, etc.

### LECITHIN FOOD PREPARATIONS

Prepared with 2½%, 5%, or 10% of PURE Lecithin in bulk, or in boxes or cartons.

### LECITHIN TABLETS, DRAGEES, PILLS or CHOCOLATE.

Prepared by Chemical Works "VICTORIA," Berlin, S.W.

Sole Agent for U.K.:

**HUGO LORENZ, 7 & 8 Idol Lane, London, E.C.**  
Write for Pamphlets. Tel. Nos.: Avenue 5945; Central 12641.





A big variety of Foot Tablets, which include Showcards priced as you wish.



If you require a good assortment of Summer Packed Goods, write us. This ad. tells of a few—we have lots of others, and we feel they will satisfy you. From them are derived good sales' records, and they maintain a neatness which is always in harmony with the best traditions of pharmacy.

MADE IN THE  
LABORATORIES  
— OF —

W. B. CARTWRIGHT  
(LIMITED),

RAWDON

EIGHT MILES FROM LEEDS.



TEXTURÆ ANTIQUÆ, 19—BABYLONIAN

# 'TABLOID' BRAND PLEATED COMPRESSED

(Trade Mark)

## Sanitary Towels

Ladies appreciate these tiny unobtrusive Sanitary Towels.

They also like this package because it keeps the contents perfectly fresh and clean.

Customers do like fresh-looking, unsoiled goods.

You can display this package in the window or on the counter without the contents becoming dusty or unsaleable in any way.



Each carton of one dozen S.T. is sealed in an impervious, transparent envelope. The above illustration shows the envelope partly removed.

Four sizes:—No. 1, 20.0; No. 2, 24.0; No. 3, 27.0 and No. 4, 30.0 per dozen cartons. Subject



**BURROUGHS WELLCOME & CO., LONDON**

NEW YORK MONTREAL SYDNEY CAPE TOWN MILAN SHANGHAI  
BUENOS AIRES BOMBAY

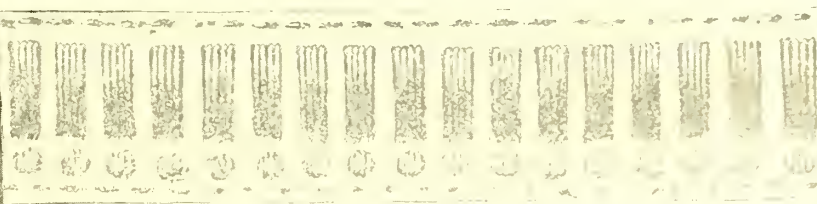
London Exhibition Room: 54, WIGMORE STREET, W.

All communications intended for the Head Office should be addressed to Snow Hill Buildings, London, E. C.



Portrait-sculpture of a Babylonian Monarch of the First Dynasty, identified with the Amraphel of the Bible, in whose reign the laws of Babylon were elaborately codified and engraved upon a magnificent stele. The Babylonian codex was believed to have been handed to the King by the sun-god in person. The embroidery on the King's robe is here reproduced.

Date, circa 1944-1901 B.C.



G

151867



# Sodii Sulphas

“P. P. P.”

WHETHER

“pea” cryst. or “feathery” cryst.

- (1) is a brilliant white article, free from any yellow tinge, and will remain so;
- (2) dissolves in cold water—the “feathery” cryst. quite readily—to form a clear and clean solution which does not require filtration;
- (3) conforms to the stringent P.P.P. specifications as to freedom from lead and arsenic;
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- (5) is free from iron;
- (6) is warranted Pure for Pharmaceutical Purposes;
- (7) is quite different from the crude grades of Glauber’s Salts offered as “recryst.” or “B.P.”

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with especial force to buyers of chemists' merchandise who are working out their destinies in new civilisations. They are often removed from large centres of supply, and like the idea of ordering direct from the original source anything that may specially appeal to them. That is why the

#### NEW WORLD ISSUE

of

#### The Chemist and Druggist

is so successful as an advertising medium among drug-traders in Canada, Newfoundland, the United States, Central America, South America, and the West Indies. The Publisher informs us that the publication date this year is

**May 23,**

and that he is already booking advertising space. Ask him direct what he has to say about it.

## SUMMARY.

Subscribers are advised to read this column first.

#### Articles and Communications.

*Papaver Rhæas*, L., is the plant dealt with in this week's Minor Botany article (p. 34).

J. C. Brough was fifty years ago criticising Redwood's criticism of the first British Pharmacopœia (p. 64).

The detection of veronal in cases of poisoning has been studied by Dr. Wilcox, whose method is described on p. 50.

The Government of Argentina has now revised the duties on patents and perfumery, and we give all particulars on p. 46.

The correspondence this week is brief, but deals with a number of fresh topics. Replies to a few problems are also invited (p. 62).

"Xrayser II." comments upon some of the contents of our Colonial Issue, including "Howards," the relation between wholesaler and retailer, and the authentic history of Chester (p. 47).

Mr. E. W. Mann described the characteristics of distilled water in a communication to the Midland Pharmaceutical Association (p. 34), and Mr. Kemsey Bourne supplements this with an article on the sale of distilled water (p. 35).

May chemists dispense any medicine containing poison? The question arises from the publication of an Encyclopædia of Medicine and frequent demands for the medicines prescribed. We discuss the legal aspects of the subject on pp. 48-49.

#### News of the Week.

Another cure for consumption is reported (p. 38).

The republic of Colombia has altered the tariff on patent medicines (p. 38).

Rhodesia has a proposed new Poisons Ordinance, of which we give a full summary on pp. 38-39.

Mr. Glyn-Jones has succeeded in saving from penalties women who wear feathers in their hats (p. 45).

The High Court has granted an injunction to restrain a hotel-keeper from selling an imitation O.T. (p. 41).

The North British Branch of the Pharmaceutical Society is arranging for the election of a new Executive (p. 45).

A list of the Secretaries of Pharmaceutical Committees in Scotland appointed under the National Insurance Act, 1913, is printed on p. 53.

Sir Joseph Beecham has obtained an injunction in the City of London Court against a retailer who sold "H. & S." pills when Beecham's pills were asked for (p. 40).

Mr. J. Guiler, Mr. W. J. Rankin, and Mr. W. R. H. Orr have received presents from the Ulster Drug-trade Association in recognition of their services as officers (p. 44).

The more prominent reports regarding Insurance dispensing matters are from Cumberland, Manchester, Scotland (Standing Committee), Aberdeen, Edinburgh, and Merthyr Tydfil (pp. 51-53).

Cases taken under the Sale of Food and Drugs Acts are of exceptional interest this week, and include a High Court decision to the effect that mere labelling is not a notice in the sense of Section 8 of the 1875 Act (p. 41).

More Associations are winding up their sessions now that the winter season has passed. The new officers at the following places are reported: Glasgow, Ilkeston, Keighley, the East Riding, and Torquay (pp. 56-57).

Mr. Thomas J. Barratt, Chairman of A. & F. Pears, Ltd., died last Sunday, and his cremated remains were buried on Thursday. A sketch of his remarkable career since the days of his apprenticeship to a London drug-broker is given on pp. 43-44.

#### Trade and Market Matters.

The chief movements include an advance in cream of tartar, red lead, and Japanese refined camphor to arrive. Cod-liver oil is the turn harder. Lemon, orange, and bergamot oils continue in easier tendency; copaiba and Bourbon geranium oils are also easier. Shellac and turpentine are lower. An exceptionally large auction of drugs was held to-day after a month's interval (p. 58).



## Minor Botany.

Being the fifteenth of a series of articles for pharmacy students which commenced on January 3, 1914.

**SYNCARPY** (i.e., union of carpels to form an ovary) is the chief difference between the poppy family (*Papaveraceae*) and the *Ranunculaceae*. Thus, in the red or field poppy (*Papaver Rhæas*, L.), the weed which colours our cornfields so brilliantly in summer, the much-divided leaves show marked resemblance in shape to those of the buttercup, both being meadow plants. In the red-poppy flower the calyx is reduced to two sepals, which are pushed off (caducous) as the four crumpled petals expand. This method of getting rid of parts no longer of use corresponds to the shedding of bud-scales. The bright scarlet petals are also short-lived, and fall quickly once they begin to fade (fugacious). They are quite separate from one another (polypetalous), articulation to the floral axis being by a narrowed basal portion (claw) coloured violet. The numerous stamens below the ovary (hypogynous) fulfil a double function. The gorgeous colouring of the petals serves as an attraction for bees, but the flower is



PAPAVER RHÆAS.

honeyless, and the abundant pollen satisfies the insect's more material cravings, besides the needs of other red poppy flowers. Note the calyx, corolla, and stamens are free and hypogynous, cohesion being evident only in the ovary. The ovary itself is a miniature in green of the well-known poppy capsule. This globular fruit is crowned by a short style surmounted by ray-like stigmas (usually about fifteen). Corresponding to the latter are internal projections (placentas), which, however, do not meet, so that the ovary is unilocular. The numerous immature

seeds (ovules) are borne on the surface of the placenta (a primitive characteristic), and not at the margins only, as is usually the case. In higher plants we shall see how the reduction already evident in the poppy calyx and corolla extends to the stamens, carpels, and seeds until in some cases only a single stamen or ovule is left. At the same time, the flower mechanism is so perfected that the production of a fertile seed is rendered practically certain, so that "reduction" may not mean lessened efficiency, but may be in the interests of economy and a higher stage of mechanical perfection.

## Distilled Water.

At a meeting of the Midland Pharmaceutical Association held at the Grand Hotel, Birmingham, on April 22, Mr. E. W. Mann, B.Sc., read a paper on distilled water. It must be borne in mind, he said at the outset, that absolute purity in water is a thing unattainable even under the most rigid precautions, also that its comparative purity must be judged by the standard of the use to which it is to be put. The physical chemist would regard the purest distilled water of the pharmacy as hopelessly contaminated, because he requires water so pure as to possess practically no electrical conductivity. To attain this he distils and redistils in platinum apparatus under vacuum, but even then never obtains that zero conductivity which connotes perfectly pure water. For pharmaceutical purposes we may content ourselves with a less rigorous standard than this, and, with one exception, may accept the British Pharmacopœia characters and tests as giving a water sufficiently pure for practical purposes. The exception referred to is the figure 0.005 per million for ammonia, which in Mr. Mann's experience is impracticable on a commercial scale. To eliminate ammonia as far as possible it is necessary either to reject the first portions distilling, or as the more economical process, and that which is adopted on the large scale, to raise the water to boiling-point or near before it enters the still. This is brought about by the application of the regenerative principle, according to which the water used in condensing becomes itself heated up by the latent heat of the steam and is subsequently used for distillation. Apart from accidental contamination, the main source of trouble with distilled water is that caused by its very powerful solvent properties. It readily takes up copper, lead, and iron; it will take up alkali from a glass bottle, and more readily from a glazed-stone bottle; it will also dissolve silica. Condensers for water-distillation are usually of copper, well tinned, but even these must be well watched, or minute pinholes in the tin coating will give access to the copper beneath, and, assisted probably by electrical action, corrosion will be set up. This action is much aggravated by the presence of carbon dioxide in solution in the water. With such powerful solvent properties the question of the storage of distilled water in the pharmacy becomes one of importance. For all ordinary uses glass, either as carboy, wicker-covered bottle, or "winchester," is satisfactory. For special purposes—such, for example, as the preparation of adrenalin solution—water should be freshly distilled from Jena glass vessels. The use of stoneware was strongly deprecated; it is difficult to clean and to inspect, even with the aid of the specially designed electric lamp used for the purpose, while the internal glazing is liable to become covered with minute cracks which readily absorb the contents of the bottle, and, unless it can be ensured that the bottle is never used except for distilled water, will certainly cause contamination subsequently. The glazing itself has, in the lecturer's experience, been responsible for contamination, a large trace of sulphates having arisen from this source. Distilled water is, under ordinary circumstances, sterile when first condensed, but is liable to air-borne contamination with micro-organisms, moulds, yeasts, and bacteria generally, all of which may cause trouble when the water is used for dispensing-purposes. To eliminate this source of contamination as far as possible the water should be kept cool and carefully covered to exclude dust; for the carboy



or other vessel in use a good plug of cotton-wool forms a very satisfactory seal. When used for the preparation of hypodermic injections it is essential that distilled water should be sterilised before use; boiling for five minutes is a sufficient precaution. The water used in dispensing eye-drops or any other application likely to come into direct contact with mucous membranes or raw and abraded surfaces may always with advantage be subjected to the same treatment. It has been stated that distilled water in the pharmacy is a luxury that may be dispensed with, but that could not apply even in Birmingham, where the water is soft at times.

## Sale of Distilled Water.

By Charles W. Kemsey-Bourne.

WHEN the National Insurance Act came into force in January 1913, chemists in most parts of the country considered it proper and necessary to use distilled water in Insurance prescriptions when "Aqua" was ordered, just as they did formerly, and do now, when dispensing physicians' prescriptions. Panel doctors soon found this out, and asserted that if tap-water were good enough to drink, it was also good enough for the preparation of medicines. They advanced other reasons against the use of distilled water, and some stiff combats took place at numerous Insurance Committee meetings, in many cases the doctors, by superiority of numbers on these Committees, winning the day. This made a big difference to the Insurance dispensing accounts in those districts, and allowed the doctors to receive more of the "floating sixpence" than they would have done otherwise. But in other districts, West Bromwich included, chemists made a very strong stand, and presented such convincing arguments that the Insurance Committees backed them up. Doctors in these districts were then compelled to write "Aqua Font." if tap-water were required, and did so—as often as they remembered it. Now a large number of chemists must have purchased apparatus for the distillation of water, and are easily able to produce more than they actually require for Insurance purposes, as well as for ordinary dispensing.

The object of this article is to suggest that chemists have an outlet for the remunerative sale of this surplus distilled water, by offering it to amateur photographers. A large number of the latter purchase chemicals and make their own solutions with boiled tap-water, which is commonly recommended to be used in various books on photographic chemistry, as well as in the printed instructions issued by makers of plates and papers, and in the photographic journals. In districts such as West Bromwich, where the tap-water is rather hard, these amateurs find a difficulty in preparing solutions which remain clear and bright, or undergo oxidation (which becomes obvious by rapid darkening), due to dissolved solids and retained air. Here is a chance for pushing distilled water.

A good point is that chemists, when making up solutions for amateurs, or in preparing their own-name solutions, always use distilled water. It is unnecessary to go into details. The simplest way to keep the suggestion to amateur photographers always to the front is to have a few well-written show-cards conspicuously exhibited. Use them in window-shows of photographic goods and display them among the photographic goods in the pharmacy. I suggest the following as a start, and leave it to the genius and learning of my colleagues to think of others:

**ALL PHOTOGRAPHIC SOLUTIONS prepared in this Pharmacy are made with pure, fresh, DISTILLED WATER.**

**WHEN PREPARING YOUR PHOTOGRAPHIC SOLUTIONS, use pure, fresh, DISTILLED WATER.**

### WE SUPPLY

Pure, fresh, DISTILLED WATER, at 1d. per pint; 31d. a gallon; 6d. per gallon.

## ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

### Brevities.

The last three monthly reports of the Hull analyst (Mr. A. R. Tankard, F.I.C.) show that all the drug-samples examined (nine) were genuine.

At the local Licensing Sessions on April 23, an off wine-licence was granted to Mr. Wm. Scholfield, chemist and druggist, 60 Abel Street, Burnley.

The Camberwell Board of Guardians have decided to purchase a sight-testing apparatus from G. Spiller, Ltd., 32 Wigmore Street, London, W., at a total cost of 11l. 8s.

The Stratford-on-Avon Town Council on April 23 issued a draft order for chemists to close at 7 p.m. on Mondays, Tuesdays, Wednesdays, and Thursdays; 8 p.m. on Fridays; and 9 p.m. on Saturdays.

At a sale at Sotheby's Auction Rooms on April 27, sixteen old patent-medicine advertisements, including eulogies of Lockyer's pills, Senate's aromatic steel lozenges, and Stoughton's great cordial elixir, sold for 4l. 4s.

At the annual meeting of the Doncaster Scientific Society Mr. M. H. Stiles, Ph.C., was re-elected a Vice-President of the Society. Mr. Stiles is an authority on infusorial earths, on which on various occasions he has lectured locally.

The sudden death of Mr. W. R. Forsyth, manager to Messrs. T. Morson & Son, manufacturing chemists, which was reported in our issue of last week, necessitated a Coroner's inquiry. A verdict of death from natural causes was returned.

About 9.15 p.m. on Saturday, April 25, smoke was seen to be pouring out of an upper window of premises occupied by Mr. W. S. Spicer, Ph.C., Cornhill, Dorchester. The fire-brigade promptly appeared on the scene, and speedily subdued the outbreak before much damage had been done.

A young lady traversing Darley Street, Bradford, on the morning of April 25, wearing a slit hobble skirt, attracted the attention of some factory workers which led to the wearer being mobbed. She escaped from her embarrassing position by taking refuge in a chemist's shop, and eventually was able to be driven home in a taxi-cab.

The Historical Medical Museum founded by Mr. Henry S. Wellcome in connection with the Seventeenth International Congress of Medicine, will be reopened on May 28, as a permanent institution in London. It will be known in future as the Wellcome Historical Medical Museum, and will be opened to medical men and pharmacists on the presentation of their visiting-cards.

On April 23 a horse took fright at the passing of a motor-car, and backed the cart to which it was attached through the window of the pharmacy of Mr. J. H. Smith, chemist and druggist, 9 High Street, Rushton, Lincs. The lower part of the window was badly smashed, considerable damage being also done to the contents. Mr. Smith, who was making a special window-display for competition purposes, had only just previously left the window.

A shopping week is to be held at Leytonstone, Essex, beginning on May 1. An official handbook has been issued by the local committee and is to be circulated by the traders in the district. There are several prize schemes in connection with the shopping week, all of which are calculated to attract attention to the shops. The National Cash Register Co., Ltd., Tottenham Court Road, London, W., is connected with the scheme in an advisory capacity.

### Institute of Chemistry.

At the March examinations, of ten candidates who presented themselves for the Intermediate examination, nine passed—viz., A. S. Carlos, B.Sc., C. G. Collins, Miss Gwen Dyer, Nat. Sci. Tripos, F. L. Elliott, H. S. Foster, J. J. Geake, G. Harding, J. W. Sewill, B.A., and G. T.



Shipston. Fourteen candidates presented themselves for the Final examination, and of these eight passed: *Organic Chemistry*, P. K. Dutt, M.A., B.Sc., J. W. Harris, B.Sc., and E. Mather, B.Sc.; *Chemistry (and Microscopy) of Food and Drugs, Fertilisers and Feeding-stuffs, Soils and Water*, P. S. Arup, C. W. McHugo, F. S. Thurston, B.Sc., J. A. F. Wilkinson, B.Sc., and F. Wright, B.Sc.

#### Short Hours at Chemical-works.

Sir R. A. Cooper, M.P. for Walsall, and principal of William Cooper & Nephews, will this week give a minimum wage of 23s. to every person doing the work of able-bodied men at the chemical-works, Berkhamsted. This decision follows a reduction in the number of hours worked from sixty to fifty per week, a change made without any reduction in wages. In return for these concessions the employés were asked to cut down wastage and extravagance in all departments and to increase the efficiency of their work. Sir Richard is well satisfied with the results secured and proposes shortly to institute a scheme of superannuation among his employés.

#### Armour & Co.'s Pension Fund.

Messrs. Armour & Co., Ltd., a few years ago inaugurated a pension fund in the United States, which has recently been made world-wide so as to cover their employés in all parts of the world. At the time of its establishment Mr. J. O. Armour guaranteed an annual contribution of 40,000l. until the fund reaches 200,000l., and he has undertaken the obligation of maintaining the fund at this amount. We learn that 700 British subjects connected with Messrs. Armour's organisation in the United Kingdom will be in a position to take advantage of the scheme, the benefits being determined by the length of service and the amount of salary they are drawing at the time of retirement.

#### The Public Weal.

Mr. W. E. Goff, Ph.C., has been re-elected Chairman of the Dartford Urban District Council.

Mr. Alexander Cousins, chemist and druggist, has been nominated to fill a casual vacancy on the Buckfastleigh (Devon) Urban Council.

Mr. Fletcher Ritson, chemist and druggist, The Whins, Nelson Street, Carlisle, has been nominated to fill a casual vacancy on the local City Council.

Mr. F. W. Biggs, chemist, has been elected Chairman of the Stourbridge Board of Guardians. He is recognised locally as an authority on workhouse administration.

Mr. H. C. H. Oliver, chemist, West Malling (Kent), has been appointed a representative of the Parish Council on the Sanitary Committee of the Malling Rural District Council.

#### Birmingham Notes.

At a meeting of the Birmingham Licensing Justices last week, the application of Mr. John William Shields, pharmacist, 570 Moseley Road, for an off wine-licence was refused.

There has been a demand for glycerin in somewhat unusual quantities in country places and market towns. It is being recommended to preserve eggs, and is said to be excellent for the purpose.

Mr. Frederick Barlow, chemist and druggist, was presented last week with a very handsome illuminated address for services rendered as Chairman for ten years of the political party of Balsall Heath to which he belongs.

An attempt to settle the point "What is fine old port?" is being made in the Birmingham police-courts, and after hearing the evidence the Stipendiary said he would take time to consider the case and give notice of the date upon which he would announce his decision.

Mr. B. Wright, of 112 Castleford Road, Sparkhill, and Mr. Arthur Baker, of 37 Wills Street, Lozells, assistants in the employ of Samuel Thornley, Ltd., wholesale druggists and drysalts, have applied to the Birmingham City Council for licences to sell agricultural poisons, the former at the Gosta Green premises of the firm and the latter at 24-26 John Bright Street.

A meeting of the Birmingham Chemists' Athletic Club was held at Redway's Café on April 22, under the pre-

sidency of Mr. J. Radford. There were over fifty present. Mr. E. Corfield was elected President, Messrs. J. Radford and H. Critchlow Vice-Presidents, and Mr. B. Gretton Watson Hon. Secretary and Treasurer. It was stated that grounds had been secured at King's Heath, where members would have the use of two tennis-courts, a cricket-pitch, and a bowling-green. Mr. H. Hargreave was elected captain of the cricket team, the bowling will be under the direction of Mr. Corfield, and Mr. O. W. Evans has consented to make the arrangements for the tennis-players. The Secretary would be glad to arrange cricket matches for Whit-Monday and August Bank Holiday with another pharmaceutical team within reasonable distance of Birmingham. Mr. Gretton Watson's address is King's Heath, near Birmingham.

#### Contracts.

Notification has been made of settlement of the following contracts:

East Ham Town Council.—Burgoyne, Burbidges & Co., for annual supplies of drugs and druggists' sundries at specified prices; Burt, Boulton & Haywood, Ltd., for carbolic powder at 1l. 17s. 6d. per ton. Soluble creosote: H. E. Hope & Co., at 1l. 6s. 8d. per 40 gals.; Sanitas Co., Ltd., 1l. 6s. per 40 gals. and 8d. per gal.; Burt, Boulton & Haywood, Ltd., 7½d. per gal. Coal-tar fluid: Sanitas Co., Ltd., at 1l. 15s. per 10 gals.

Fulham Borough Council.—For annual supplies: Forbes, Abbot & Leonard, Ltd., for carbolic powder at 4s. 3d. per cwt.; Newton, Chambers & Co., Ltd., for disinfecting-powder (Izal No. 3) at 5s. 3d. per cwt.

Hertford and Ware Joint Hospital Board.—Mr. Lewis, chemist, Ware, for a six-months' supply of medical sundries.

Hindley Urban Council.—Sanitas Co., Ltd., Killgerm Co., Ltd., Sanitary Dry Lime Co., and McDougall Bros., for disinfectants.

Margate Town Council.—Burt, Boulton & Haywood, pink carbolic disinfectant powder at 3l. 12s. 6d. per ton. Killgerm Co., Ltd., "Killgerm" disinfectant-fluid, 1s. 9d. per gal., and formalite fumigators, 4l. 4s. per gross. Pearson's Antiseptic Co., Ltd., Hycol disinfectant-fluid, 2s. 6d. per gal.

Runcorn Guardians.—Mr. J. H. Weston, Runcorn, has secured the contract for the drugs and dressings from the Runcorn Board of Guardians for use at their hospital at Dutton.

#### Funeral of Master Max White.

On Saturday, April 25, the funeral of Max White, youngest son of the President of the Pharmaceutical Society and Mrs. White, took place in the Putney Vale Cemetery. Mr. and Mrs. White with their two sons, Mr. Jack White and Mr. Carl White, were accompanied by a group of personal friends and sympathisers, including Mr. W. J. U. Woolcock, Mr. John Humphrey with his two sons, Mr. F. W. Gamble, Mr. P. A. Fryer (Headmaster of Wellington School, where Max White was a scholar), the Steward of St. Thomas's Hospital, Mr. J. A. Jennings, Mr. John Keall, Mr. G. A. Tocher, Mr. Everson (Hopkin & Williams), and Messrs. Chater, Moon, and Jones of the Pharmaceutical Society's staff. A number of beautiful wreaths gave indication of the sympathetic regard felt for the family in the heavy trouble that had overwhelmed them. The President desires gratefully to acknowledge the many tokens of regard and condolence tendered, and to say that although he cannot immediately deal with the large number of letters which he has received from all parts of the kingdom, he hopes in the course of time to communicate his thanks to each of those who have been good enough to proffer much appreciated consolation.

#### Sheffield Notes.

Mr. G. T. W. Newsholme, J.P., has been re-elected Chairman of the Sheffield Board of Guardians for a seventh time.

John W. Ronskley was committed for trial on April 28 on a charge of breaking a plate-glass window, value 7l. 10s., at the branch of Boots, Ltd., in Netherthorpe Place on Saturday night at 11.30 p.m. The accused's defence was that he was attacked by a gang of men with belts, and in defence he threw a bottle at them part of which went through the window.

It is becoming a custom with Sheffield chemists to make a big show of special articles. Mr. A. Knowles, who succeeded Mr. H. G. Fletcher, of Norton



Woodseats, has a nice display of "Ficolax," the colours being especially effective when the window is lighted up at night. Messrs. Ellis & Co., pharmacists, of Ecclesall Road, have an artistic display of "Erasmic" soaps, etc. Their second window is devoted to an exhibition of "Phosferine."

#### From Various Courts.

At Luton on April 21, George Webb (13) was sent to a reformatory school for four years for breaking into the shop of Mr. Ephraim Hall, chemist and druggist, 65 High Town Road, Luton, and stealing 11s. 0½d. from the till.

At Westminster Police Court on April 21, Benjamin William Brims (29), commercial traveller and chemist, of Wandsworth Common, London, S.W., was committed for trial on a charge of blackmail (*C. & D.*, April 4, p. 37).

At Hounslow on April 27, a Coroner's jury found that the death of George Reeve Prior (15), lift-attendant at the works of Messrs. Parke, Davis & Co., manufacturing chemists, Hounslow Heath, was due to deceased being crushed by the lift. They added that the control of the lift should be under better supervision, and that there should be bars put across the window. It was stated that the firm had decided to bar the window.

At Blackburn, on April 29, two apprentices, named Matthew Johnson and Arthur Bradshaw, were fined 10s. for stealing money, mostly copper, from the shop of Mr. H. Hindle, chemist and druggist, 66 King Street, Blackburn. The two lads broke into the pharmacy towards midnight, and went to the railway station in time to catch the last train to Liverpool. On each boy counting out the fare in coppers, the booking-clerk was prompted to ask as to which gas-meter they had broken into. They replied "None," and, on being pressed to state where they had got such an abundance of copper, they replied "From the Yorkshire Penny Bank."

At the Central Criminal Court on April 21, Henry Delvine (59), labourer, pleaded guilty to obtaining money by false pretences in connection with a professed cure for cancer. Prisoner had published a pamphlet setting forth his "cure" of cancer by means of a fluid herbal extract. For the prosecution it was stated that accused had imposed upon persons in a humble position in life, and had obtained from them sums varying from 5s. to 21s. In all there were about a dozen cases in which the prisoner had practised his deception. He carried on business from an address at Shepherd's Bush under the style of the "Delphine Institute." Accused was sentenced to fifteen months' hard labour.

## IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

#### Brevities.

Mr. George Gilmore, Ph.C., The Medical Hall, Kilkenny, has been appointed to the Commission of the Peace.

Mr. James E. O'Neill, J.P., registered druggist, Maghera, has been re-elected unopposed on the Londonderry County Council.

It was reported to the Omagh Technical Committee at its last meeting that the attendance at the chemistry class almost reached 100 per cent.

Dr. J. C. McWalter, M.A., M.D., LL.B., Ph.C., has been appointed a delegate to represent the Dublin Retail Drug Association at the British Pharmaceutical Conference at Chester.

The Royal College of Surgeons in Ireland, following the lead of the medical corporations in Great Britain, has passed a resolution regarding the possibility of unqualified persons giving medical treatment to insured persons under the National Insurance Act.

The old-established business conducted in Ferryquay Street, Londonderry, by Messrs. G. B. McCaul & Co., has been purchased by Messrs. J. Wellwood, Ph.C., and Craig, both of whom have latterly been assistants with Mr. Nicholl, Belfast.

The action instituted against Mr. W. F. Wells, Ph.C., Upper Baggot Street, Dublin, by rival candidates for municipal honours, in which slander was alleged in an election address issued by the defendant, has been dismissed, with costs against the plaintiffs.

Messrs. Boileau & Boyd, Dublin, have explained to the Kells Guardians that delay in executing several items of a requisition for drugs last December was caused by traffic congestion, due to the transport-workers' strike. The explanation was regarded as very satisfactory.

## SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

#### Brevities.

The branch shop of Mr. A. G. Adamson at 219 Links Street, Kirkcaldy, is now open.

Mr. Alexander Fraser, J.P., pharmacist, has been re-elected a member of West Linton School Board, Peebles-shire.

The Lanarkshire Pharmacists' Association announce that after May 1 chemists' shops will be open on week-days from 8 A.M. till 8 P.M. (excepting Wednesdays, till 1 P.M., and Saturdays, till 10 P.M.). The Sunday hours are 10 to 11.30 A.M., 1 to 2 P.M., 5 to 7 P.M.

#### Edinburgh.

Messrs. Harkness, Beaumont & Co., wholesale druggists, have put a motor-lorry on the road this week.

Mr. Chambers, town traveller for Messrs. J. F. Macfarlan & Co., has been off duty for a few weeks, suffering from an injured foot.

There is a distinct increase in the number of Insurance prescriptions dispensed in Edinburgh and district during the two months ended March 14, and this increase seems to be general throughout Scotland.

The sales in the drug departments of St. Cuthbert's Co-operative Association, Ltd., during the half-year which ended on March 10, 1914, were as follows: Bread Street, 1,607l. 14s. 9½d.; Tynecastle, 818l. 5s. 9½d.; Hamilton Place, 545l. 17s. 7½d.; Nicolson Street, 712l. 17s.; Montrose Terrace, 390l. 5s. 0½d.; and Haddington Place, 211l. 17s. 10½d. The profits given are: Bread Street, 820l. 15s. 2d.; Tynecastle, 660l. 9s. 4d.; Hamilton Place, 350l. 5s. 8½d.; Nicolson Street, 318l. 4s. 5½d.; Montrose Terrace, 242l. 16s. 11d.; and Haddington Place, wholesale, 418l. 4s. 8½d.

## BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. P. G. ELEY, pharmacist, has opened a business at Shirley Road, Southampton.

MR. B. R. LEWIS has purchased the business of Mr. W. S. L. Johnston, Quorn, Loughborough.

MR. B. H. JENKIN, pharmacist, has purchased the business of Mr. I. P. Moffatt, Camborne, Cornwall.

MR. F. WALLIS, pharmacist, has recently purchased the business of Messrs. Martin & Palmer, Ltd., Market Gates, Plymouth.

MR. A. SCRAGG, of Swadlincote, has purchased the business of Mr. W. E. Scholefield, 8 High Street, Swadlincote, Burton-on-Trent.

MESSRS. TURNER, SON & CO., LTD., wholesale and export brush-manufacturers, have built a larger factory at Britannia Works, 97a Carysfort Road, Chisold Park, London, N., to which all communications should be addressed after May 1.

MESSRS. W. T. COLE & SON, chemists, are removing from No. 17 St. Mary's Street, Weymouth, to premises a few doors higher up in the same thoroughfare, owing to the lease of the former pharmacy having been disposed of to the London City and Midland Bank.



## FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

A BIOGRAPHY of the late Alphonse Allais, the well-known humorous writer, has been published. A pharmaceutical reviewer states that Allais's father, Charles Auguste Allais, was a pharmacien in Honfleur, and Alphonse was destined to succeed him in business, so was sent to the Paris School of Pharmacy, but never took his diploma, although he served an apprenticeship in two pharmacies ere Montmartre claimed him as her own.

THE THESES recently presented to the Paris School of Pharmacy by candidates for the degree of Doctor in Pharmacy include researches by M. Jean Coirre on the biochemical synthesis of ethylglucoside  $\beta$  by emulsion; a micrographic study by M. H. W. de Boer of ten new vegetable drugs figuring in the fourth edition of the Dutch Pharmacopœia; and a contribution (by M. Marcel Becquet) "to the study of the action of the Bulgarian bacillus on the intestinal flora."

TUBERCULOSIS TREATMENT.—Still another treatment for tuberculosis is announced, this time at the meeting, on April 28, of the Academy of Medicine. A preliminary statement of a method of treatment of tuberculosis was submitted by M. Henry Spahlinger. It consists of graduated injections of tuberculin and lipoids, supplemented in advanced cases by intra-muscular and intravenous injections of lipoids. It was reported that out of fifty-four cases under treatment seventeen show great improvement.

DEATH OF M. VAN TIEGHEM.—The death occurred suddenly at Paris on April 26 of M. Philippe Van Tieghem, the eminent botanist and perpetual secretary of the Academy of Sciences for the Section of Physical Sciences. M. Van Tieghem was born at Baillieux on April 19, 1839, and joined the Ecole Normale Supérieure when nineteen years of age, where he became the assistant of Pasteur, together with Gernez and Duclaux. The influence of Van Tieghem on botanical subjects has been considerable. His "Traité de Botanique" has contributed in a considerable degree to modify the teaching of the subject in France and abroad, especially in regard to classification. He was a modest man and of great gentleness of disposition. He was elected a member of the Paris Academy of Sciences, Section of Botany, in 1877 and was the oldest member of that body.

COLUMBIA CUSTOMS TARIFF.—The French Minister of Commerce has consulted the Paris Wholesale Druggists' Association as to the draft Customs Tariff now before the Government of Columbia, and the Association has drawn up a formal report which has been presented to the Minister. The report states that the proposed tariff seems to present in general a diminution on the existing rates, but there are some forty exceptions. On some more expensive goods, notably patent medicines, soaps, gum, potassium bromide, etc., increases varying from 18 per cent. to 400 per cent. have been made. Many articles are taxed on the gross weight, so that an apparently light tariff thus works out at a high figure in practice. The Association accordingly recommends that efforts be made to secure taxation on the basis of net weights and the maintenance of the present duties on the forty articles tabulated. An increase of 700 per cent. is shown on homœopathic globules and of 400 per cent. on patent medicines "registered in the Republic"; "known formulas" have only been increased 60 per cent. It is also proposed to increase by 400 per cent. morphine, strychnine, and other alkaloids, bicarbonates of potash and soda, caffeine, and musk; litharge and chlorate of potassium by 300 per cent., and borie, picric, nitric, and oxalic acids, ether, cochineal, and essential oils for perfumery by 100 per cent.

BRITISH HONDURAS is the latest of British Possessions to issue an Opium Ordinance giving effect to the measures decided upon in the International Opium Convention. The word "opium" includes raw opium, medicinal opium, morphine, heroine, cocaine, and similar drugs.

## SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

### General.

BUSINESS just now at the Cape is very good, writes a correspondent, and there is no grumbling going on. Up north it is probable that chemists will feel the effects of the strike for some time as a great number of white people (miners) are leaving the country. The deportations have left an unfavourable impression which will take some time to overcome.

P.A.T.A.—The third number has been published of the "South African P.A.T.A. Record," which is sent out free to proprietary-medicine dealers throughout South Africa. Mr. E. Blake-Jardine, who has been visiting all parts of the Union in the interests of the P.A.T.A., is back in Cape Town and reports that his propaganda has been most enthusiastically received.

### Cape Province.

OLIVE CULTIVATION.—The "Weekly Cape Times," April 3, contains an illustrated account of olive cultivation in the province. This concerns the farm of the Minnaars at De Hoop, the Paarl, where olives were first grafted twenty-six years ago. Of late years the yield of olives from which oil is pressed has been in paying quantities. A correspondent, referring to this effort to produce olive oil locally, writes: "Let us hope the industry will thrive and that we shall be able to buy oil a little cheaper. The price just now out here is 10s. 6d. a gallon. There is no reason why South Africa should not be a big supplier of olive oil. The olive-tree grows and thrives well, and there should be money in it for the farmer."

### Rhodesia.

DRAFT POISONS ORDINANCE.—The draft of a Poisons Ordinance which is to be introduced into the Legislative Council has been published by the Administrator. Clause I. designates the poisons mentioned in the schedule as "poisons within the meaning of the Ordinance," and gives power to the Administrator in Council to declare additional poisons. Clause II. compels doctors and chemists to label the poisons referred to "Poison," and by Clause III. penalties are provided for breach of the provisions for labelling and storage of poisons. Clause IV. prohibits the sale of poisons except by duly licensed apothecaries or chemists and druggists, but reserves the sale by importers and general dealers to medical practitioners and chemists. Clause V. empowers a magistrate to permit the sale by importers and general dealers of potassium cyanide and arsenic or any compounds thereof in quantities of not less than 1 lb. weight, and strychnine or any compounds thereof in unbroken vials, properly sealed and labelled; but by Clause VI. the dealer must satisfy himself that the poison is required for the destruction of wild animals or vermin, the treatment of animal diseases, or for use in the extraction of minerals. Clause VII. relates to the keeping of a poison-book by importers and general dealers allowed to sell poisons. Clause VIII. imposes a penalty on persons other than medical men and chemists who keep poison "without exercising all due care and caution in the custody of the same." Clause IX. lays down the conditions under which chemists, and their assistants and apprentices may sell poisons. These refer to labelling and entry in the prescription-book and poison-book. Clause X. fixes the penalty for infringement of Clauses IV. and IX. at "a fine not exceeding fifty pounds sterling, or in default of payment to imprisonment with or without hard labour for any term not exceeding three months," the chemist to be responsible for the acts of his apprentices and assistants. Clause XI. enacts that the poison-book shall be produced for inspection by any person authorised by the Administrator, and fixes a penalty for non-compliance. False information with intent to obtain poison is punishable by Clause XII., while Clause XIII. recites the



exemptions from the provisions of the Ordinance. These are the sale of

- (1) Any poison in the form of homœopathic medicine, unless in the crude state, mother-tincture, or of a greater strength than the third decimal potency.
- (2) Patent or Dutch medicines.
- (3) Photographic materials for the purpose of photography.
- (4) Medicines dispensed by veterinary surgeons or farriers for animals under their treatment.
- (5) Fly-poison papers when duly marked as such.
- (6) Any poison supplied by the chairman or secretary of any poisoning-club to any member of a poisoning-club for the purpose of destroying wild animals or vermin.

Clause XIV. enacts that the British Pharmacopœia shall be used by chemists for preparing medicines, but alterations from the formulæ may be authorised by notice in the "Gazette." Clause XV. provides that patent or proprietary medicines intended for human use, if containing poison, shall be labelled with the name and quantity of the poison contained in them, and penalties are provided. The poison schedule referred to is as follows:

#### DIVISION I.

*Not to be sold unless the purchaser is known or is introduced by some person known to the seller; and*

*Entry to be made in Poison-book of*

- (1) Date of sale.
- (2) Name and address of purchaser.
- (3) Name and quantity of article sold and purpose for which it is wanted. And
- (4) Attestation by signature of purchaser and person introducing him. And

*Must in every case of sale be labelled with*

- (1) Name of article.
  - (2) The word "Poison."
  - (3) Name and address of seller.
- Except when sold on medical prescription for internal use, when need not be labelled with the word "Poison" nor the name of the article, but entry to be made in Prescription-book of (1) Date of sale, (2) name and address of purchaser, (3) ingredients and quantities of prescription and dosage prescribed.

#### DIVISION II.

*Must in every case of sale be labelled with*

- (1) Name of article.
- (2) The word "Poison."
- (3) Name and address of seller.

Except sold on medical prescription, when need not be labelled with the word "Poison" nor the name of the article, but entry to be made in Prescription-book of

- (1) Date of sale.
- (2) Name and address of purchaser.
- (3) Ingredients and quantities of prescription and the dosage prescribed.

Arsenic and its preparations.  
Aconite and its preparations.  
Alkaloids — all poisonous alkaloids and their salts.  
Atropine and its preparations.  
Cantharides.  
Corrosive sublimate.  
Cyanide of potassium and all metallic cyanides and their preparations.  
Emetic tartar.  
Ergot of rye and its preparations.  
Prussic acid and its preparations.  
Savin and its oil.  
Strychnine and its preparations.  
Vermin-killers if preparations of poisons the preparations of which are in Division I. of this Schedule.

Carbolic acid.  
Almonds, essential oil of (unless deprived of prussic acid).  
Cantharides tincture and all vesicating liquid preparations of.  
Chloroform.  
Chloral hydrate and its preparations.  
Corrosive sublimate, preparations of.  
Morphia, preparations of.  
Nux vomica and its preparations.  
Opium and its preparations, and preparations of poppies.  
Oxalic acid.  
Precipitate, white (ammoniated mercury).  
Precipitate, red (red oxide of mercury).  
Vermin-killers (see Division I.).—Compounds containing "Poisons" prepared for the destruction of vermin, if not subject to the provisions of Division I. are in Division II.

#### Transvaal.

**PHARMACY CLASSES.**—The classes in materia medica and pharmacy, which are being held at the South African School of Mines and Technology under the auspices of the Pharmaceutical Society, are being well attended. The lecturer is Mr. E. J. Brown, Ph.C., of Port Elizabeth, and formerly of Edinburgh, where he was for three years President of the Assistants' Association.

**CHARGE AGAINST A CHEMIST.**—The trial of William Hartley Nicholls, chemist, Jeppestown, Johannesburg, on charges of procuring abortion (see *C. & D.*, January 10, p. 40) came on at the Sessions on April 8 and 9. Prisoner in his defence, made a most impassioned speech lasting an hour and a half. He claimed that out of pity he procured abortion in the wretched women who came to him. Some of them would go on their knees and beg him with clasped hands to help them. He maintained that his operations and medicine were really harmless, and stated that the prescription he employed was one given to him by a medical man. Prisoner further pleaded that he was in ill-health, without friends, and getting on in years. The Judge passed a sentence of three years' imprisonment with such hard labour as in the opinion of the prison medical officer he is able to perform.

## EGYPTIAN JOTTINGS.

**An Enterprising Greek Firm** has started the manufacture of absorbent cotton-wool in Egypt, and has now put on the market a first-class long-fibre white cotton of great absorbent properties.

**The Well-known Drug-firm,** Del Mar, has been converted into a company, capital 100,000/., with a view to the increasing of its already extensive business in Egypt.

**Suez** has now come into line with the other large towns in Egypt, from the pharmaceutical point of view, in being the possessor of an up-to-date English pharmacy under the control of its proprietor, an efficient English pharmacist, whose intimate knowledge of Egypt and the Near East generally must be invaluable in the conduct of business.

**End of the Season.**—With the coming of April the tourist season in Upper Egypt terminates like the closing of a shutter, and the foreign pharmacist who caters for the invalid visitor has to arrange for the transfer and storage of his surplus stock of perishable dietetics and sundries, and to see to the well-being of the drugs and chemicals that can be safely left behind till next season. During the season, visitors being of such a cosmopolitan character, great difficulty is experienced in having a sufficient and varied stock and at the same time avoiding the unnecessary quantity that would so seriously detract from the season's profits. An up-country pharmacy has changed hands, and visitors to Assouan this year will find careful and competent attention from the incoming proprietor, a Scotch pharmacist of international experience—to wit, Mr. McGillivray. In the summer months one or two native drug-shops remain open to meet the requirements of the local element, whose demands are generally for eye-lotions and drastic purgatives. The up-river Nilotic does not like undue expenditure on medicine, and limits himself to bare necessities.

**During** the recent tourist season in Upper Egypt, on an excursion to one of the villages, a visitor (a French medical man) observed that an attendant donkey-boy had deftly abstracted his purse. Being a man of energy and promptitude, he soon re-obtained possession of the stolen article, but found that in the interim 2/ had disappeared. A minute personal perquisition of the delinquent failed to discover the missing coins, and as the Frenchman was convinced that they had not been passed to a third party the mystery of their whereabouts was difficult of solution. Fortunately, the assembled crowd brought on to the scene a "European," whose many years' residence in the country has made him familiar with native manners and native tricks. A brief and summary inquiry assured him that the money was still in the possession of the erring donkey-boy, and he resolved to prove the accuracy of his idea, so procured at a neighbouring pharmacy 2 oz. of English Epsom salts. This, by dint of the moral suasion peculiar to Egypt (eating stick), "Mohamed" was induced to swallow and kept under strict surveillance until the drastic saline brought forth the coins.



## LEGAL REPORTS.

### TRADE LAW.

**A Chemist's Window Smashed.**—In the City of London Court, before Judge Atherley-Jones, K.C., on April 27, Broadribb, Ltd., chemists, 344 Mare Street, Hackney, sued R. Cornell, Ltd., meat-carriers, for 19l. 0s. 6d. for damage done to one of their shops owing to the alleged negligence of one of the defendants' servants by allowing a pair-horse van laden with meat to crash into the front window of the shop. Mr. Douglas, managing director of the plaintiff company, said in consequence of the shop being barricaded they had lost business, and bottles of cod-liver oil and fruit-saline were broken. Barricading a chemist's shop seriously interfered with business, particularly as his firm are in competition with Boots' and Parkes' Drug-stores. The defence was that one of the horses fell down dead in consequence of having heart-disease, and the other one fell so close to it that the plaintiffs' shop-window was damaged. Defendants denied that they were in any way responsible for the accident, having regard to the circumstances; and this view his Honour took, giving judgment for the defendants, with costs.

**Exchanging Goods.**—In the City of London Court, before Mr. Registrar Wild on April 23, a claim was made by Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, against Windle & Co., chemists, 452 Edgware Road, for 11. 2s. for goods supplied. The plaintiffs' representative said that the defendants had returned to them some goods for which credit was required. The plaintiffs, however, sent another lot of goods, charging them at half-price. In answer to the Registrar, he said that the goods for which they were now suing were believed to have been taken away by the defendants' messenger. The Registrar said that so far he neither had proof of the order for the goods nor of the delivery of them to the defendants. The plaintiffs' representative said that the defendants had sent them a postcard by hand relating to the goods, the price of which was now being sued for. Mr. George J. Knight, the defendant, said he had been an agent of the plaintiffs for some years. He received an order for a bottle of malt and oil of the plaintiffs' manufacture. He had some of the plaintiffs' goods in stock, but his arrangement was that in case goods on hand were thought not to be fresh they were to be returned. Upon his returning the goods to the plaintiffs they told him that the goods had been so long on hand that they would take them back, but they would send another lot in their place and charge half-price for them. The Registrar said he would like to know what the contract was between the parties. The defendant said his case was that it was an exchange of goods. The plaintiffs' representative said they did exchange the goods, but the bottles returned by the defendants were so old that they thought it best to charge the defendants half-price. The Registrar said there was no agreement proved by which the plaintiffs should charge half-price. Unless the plaintiffs could prove such a contract, he (the Registrar) could not help them. There was no proof that it was not anything more than an exchange of goods. The plaintiffs should make their contracts before they parted with their goods. He gave judgment for the defendant, with costs, but declined to allow Mr. Knight his railway fare incurred through his having been in the country on holiday.

**Is the Importer the Buyer or Seller?**—On April 27, Justices Avory, Rowlett, and Shearman had before them, in the King's Bench Divisional Court, the matter of Varipati & Co., Ltd., grain-merchants, of Smyrna and Great St. Helen's, E.C., and the Olympia Oil and Cake Co., Ltd., grain-crushers, of Solihy, Yorks, which came before the Court upon a special case stated by the Committee of the Incorporated Oil-seed Association under Section 19 of the Arbitration Act, 1889. Mr. Hogg, for the appellants, Messrs. Varipati & Co., said the question was what is the meaning of the word "importer," whether it is the buyers or the sellers of a quantity of 500 tons of cotton-seed purchased by the Olympia Co. from Messrs. Varipati? The contract was made in February 1913, and when the ship arrived with the seed samples were taken on behalf of both sides and placed in custody of the buyers' agents. After delivery had been made the Olympia Co. raised a point as to the quality of the seed, and thereupon an arbitration was appointed as provided by the contract. Further provisions of the contract were that the arbitration must take place within six weeks of the ship's reporting, and the importers were to be responsible for the production of the samples. On July 25 the arbitrators for both sides met, and found that no samples were ready for them, and thereupon, finding they could not go on, they adjourned. The samples did

not arrive until August 7, more than six weeks after the ship was reported. Messrs. Varipati said that the time for arbitration had expired, but the respondents said it had not because it was Messrs. Varipati's fault that the samples had not been produced, they being the importers. Two gentlemen were appointed to arbitrate upon the matter, and they disagreed. Then an umpire was appointed, and he decided that Messrs. Varipati, the sellers, were the importers, and that the arbitration ought to go on. From this an appeal was made to the Committee of the Incorporated Oil-seed Association, and they had stated a special case. After hearing counsel, the Court held that the obligation was upon the buyers to produce the samples for the arbitration; in other words, the buyers, who had raised the objection, had failed to produce evidence upon which the arbitrators could come to a decision, even if in their favour. The Court further held that, for the purposes of the contract, an arbitration was held on July 25, and that the umpire was right in deciding that the arbitration must go on, the buyers not having lost their right to arbitrate. With these opinions the case was remitted to the Committee of the Association.

**Beecham's Pills.**—In the City of London Court, before Judge Atherley-Jones, K.C., on April 29, the case of Beecham v. Morgenstern again came before the Court. The action was brought by Sir Joseph Beecham, trading as Thomas Beecham, St. Helens, against M. Morgenstern & Co., wholesale perfumers, 59 Middlesex Street, for an injunction to restrain defendants, their servants, or agents from supplying in their business pills not of the plaintiff's manufacture when "Beecham's pills" were demanded. Damages amounting to 15l. were claimed, and plaintiff on February 25 had obtained an interim injunction until the day of the trial of the action (see *C. & D.*, February 28, p. 61, where the particulars were fully given). Mr. F. Hinde, who appeared for the plaintiff, said that the defendants were really dealers in drugs, pills, and all sorts of things. He explained the trade practice of selling small quantities of Beecham's pills, and stated that the defendants' business was governed by a woman, who had every reason to be careful, because on a previous occasion she had appeared at the Old Street Police Court, where she was prosecuted under the Merchandise-marks Act for selling as Beecham's pills those which were not Beecham's and to which a false description was applied. When the plaintiff was satisfied that she, now the defendant in this action, was carrying on a spurious trade he wrote to her and offered to settle the matter amicably if she would apologise, undertake not to repeat the offence, and pay the costs of the proceedings. In reply to that a letter was received of a very evasive character. A boy named Lilley called several times at the shop and bought pennyworths of pills. What he asked for was Beecham's pills, but what was given him was pills described as "H. & S." pills, which probably suggested headache and stomach pills. At the plaintiff's instance a lady named Quinlan asked for two-pennyworth of Beecham's pills at the defendants' shop, and was served with "H. & S." pills. None of those were the plaintiff's pills. The plaintiff had no desire to make money out of the proceedings, but he wanted to protect his property. Evidence was given in support of this statement by Charles Lilley, by Mr. J. A. Lockwood, one of the plaintiff's travelling inspectors, and by Mrs. Alice Quinlan. For the defence, Mrs. Goldring said she was the defendant, having been married last September. Before then, under her maiden name of Morgenstern, she had for seven or eight years carried on a chemist's business. She knew Lilley as a customer. When he came in on the day in question and he asked for a pennyworth of Beecham's pills she told him that she only sold them in 10½d. and 2s. 3d. boxes. Those were the cut prices. She bought her boxes of Beecham's pills of Butler & Crispe, and paid 26s. per doz. for boxes at 2s. 9d. each. The pills which she sold to the boy Lilley were four a penny. She bought them in bulk by weight; they were headache and stomach pills or aperient pills. They cost her about the same price as Beecham's. She had never sold Beecham's pills except in their own boxes, and never loose or in pennyworths. It might be that Lilley asked for two-pennyworth of Beecham's, but if so he was told that they did not sell Beecham's pills in any other than the 10½d. or 2s. 3d. form. The reason of the conviction referred to at Old Street was because of a complaint against an assistant of hers. She discharged him afterwards. She was quite sure that Mrs. Quinlan asked for two-pennyworth of pills, and not Beecham's pills. In cross-examination, witness said she bought her "H. & S." pills at Cox's, of Brighton, and paid 12s. per lb. for them. Coleman Goldring, defendant's husband, said he assisted her in the business, and he was quite sure the boy Lilley was told that they only sold Beecham's pills at 10½d. and 2s. 3d. a box. Then he selected the headache and stomach



pill. Sarah Brickman, defendant's assistant, also gave evidence for the defence. His Honour, in giving judgment, said he would find for the plaintiff, giving him the injunction asked for, and he fixed the damages at the nominal sum of 20s. He did not think it the best practice in the world to employ a boy fourteen years of age for the purpose of securing convictions against tradesmen, as the plaintiff had done. It was a practice which he thought was to be deprecated. There were plenty of responsible and trustworthy persons who might have been employed for the purpose rather than a boy of tender age.

### High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

#### "O.T."—ALLEGED PASSING-OFF.

An action brought by the proprietors of "O.T." against Mr. Henry E. Walker, Glasgow Hotel, Southampton, claiming an injunction restraining the defendant from "passing-off" another beverage as "O.T.," was begun before Mr. Justice Warrington in the Chancery Division on April 29.

Mr. Terrell, K.C., for the plaintiffs, stated that detectives were employed to visit the Glasgow Hotel, and there they were served with a beverage which was not "O.T.," but only a clever imitation of it. A sample was bought for 6d., and this had been analysed.

Mr. Clanson, K.C., for the defence, intimated in answer to his Lordship that his case was that the sales alleged never took place at all. There would be a direct conflict of evidence.

Mr. Chas. Buck, inquiry agent, described his visits to the hotel, where he was served with a beverage described as "O.T."

Mr. Ernest J. Parry, B.Sc., F.I.C., stated that the active agent of "O.T." is extract of fresh capsicum-fruit. He had analysed the sample said to have been supplied at the Glasgow Hotel, and it was not the same as "O.T.," though a clever imitation. It contained at least three of the characteristic flavourings of "O.T."

At this stage the hearing was adjourned. On Thursday further evidence was given for the plaintiffs and defendant. His Lordship then gave judgment for the plaintiffs. The injunction asked for was granted, the defendant to pay the costs of the action.

#### A QUESTION OF TRADE CUSTOM.

The case of John Kilner & Sons v. Grey & Menzies was mentioned to Mr. Justice Bailhache in the King's Bench Division on April 28. It was an action to recover 33*l.* 18s. in respect of a third consignment, under an order for 650 gross of "Codd's" mineral-water bottles, to the defendants, who are mineral-water manufacturers at Auckland, N.Z. Particulars of the case were given in our issue of April 4, p. 40. Defendants had contended that the first two instalments were bad, therefore they would not take the third.

Mr. Roche, K.C., for the plaintiffs, now said that what the jury found was that the earlier instalments were not bad, and therefore there was no excuse for not taking the third. After the jury had given their verdict, Mr. Schiller, K.C., for the defendants, raised a point of law under Section 30 of the Sale of Goods Act, and said that in accordance with a custom of the trade, as too large a quantity of goods was tendered in respect of the third consignment, the tender was bad. The quantity was 253 gross, whereas 250 gross were ordered. At that time he knew nothing about that custom, but he had since heard of it, and it was based on the fact that the bottles were made to a special mould, and provision had to be made for "throw-outs."

Mr. Schiller said if that question was to be argued it should be argued before a jury, and the case reheard.

Mr. Roche agreed that the case ought to be reopened if the question of custom was to be gone into.

His Lordship said the point was quite outside his experience, and he would make inquiry of other judges who had had experience before he came to any decision.

#### A DOCTOR'S DEBT.

In the King's Bench Division, Dublin on April 24, Mr. Weir Johnston applied to Mr. Justice Molony, on behalf of Mr. James Henry Hegarty, pharmaceutical chemist, the Diamond, Derry, an intended plaintiff, for an order deeming good the service of the writ already made in Wales on the wife of defendant, or, in the alternative, that service should be substituted on the wife in Liverpool. The defendant, counsel said, was William Butterfly.

Mr. Justice Molony: Butterfly?

Mr. Weir Johnston: Yes, my Lord. Counsel added that the defendant was a medical doctor who went to Derry to break down the ring of local doctors who were opposed to the Insurance Act. Instead of doing that he went away without paying his debts.

Mr. Justice Molony, He did the butterfly in Derry. (Laughter.)

Mr. Weir Johnston said the action was being brought to recover 36*l.* 10s. 2*d.*, the price of medicines and medical appliances supplied by the plaintiff to the defendant or for his use. On January 14 an order was made by the Court giving liberty to serve the writ out of the jurisdiction on the defendant in Wales, where he then was as *locum tenens* in a town with an unpronounceable name. The writ was sent to Wales, but the defendant could not be found, and it was ascertained that he was about to sail in one of Lambert & Holt's steamers for Brazil, as medical officer, leaving his wife residing at 5 Haddichli Street, Liverpool.

Mr. Justice Molony said the service of the writ on the wife would not expedite matters, as she would have to get time to communicate with her husband. Such a service could not be deemed sufficient. He would amend the former order by allowing the defendant to be served personally out of the jurisdiction. He could be served personally on his arrival at the landing-stage.

Mr. Weir Johnston said he had discovered that he had misread the defendant's name. It was Butterfly, not Butterfly. (Laughter.)

### Sale of Food and Drugs Acts.

#### OIL OF ALMONDS.

The Birmingham Justices on April 24 fined Rose Ellen Brindley, Aston Lane, Perry Barr, 5s. and costs, and Frederick William Stephens, Bournville Lane, Stinchley, 40s. and costs, for selling as oil of almonds an article which analysis proved was not oil of almonds.

#### SYR. FERRI PHOS. C. QUININ. ET STRYCH.

At Haverhill, in Suffolk, on April 28, Leonard Stern was summoned, under Section 6 of the 1875 Act, for selling syrup of phosphate of iron with quinine and strychnine which was deficient in ferrous phosphate. Mr. W. A. Barton, London (instructed by Messrs. Bates & Ellison, Haverhill), who appeared for the defendant and pleaded guilty, explained that his client purchased the syrup and sold it under the impression that he had purchased and sold a British Pharmacopœia preparation. Unfortunately, that was found to be an error when the analyst's certificate was received, but it was a genuine error, and not with an idea of fraud. A fine of 10s. was imposed, with 7*s.* 6*d.* costs.

#### WHAT IS A NOTICE TO THE PURCHASER?

In a Divisional Court of King's Bench, on April 29, before Mr. Justice Avory, Mr. Justice Rowlatt, and Mr. Justice Shearman, the appeal Batchelour v. Gee was heard. The appellant Batchelour, a dairyman, had been fined by a Metropolitan police magistrate for selling cream containing boric acid equivalent to 0.214 per cent., or 15 grains per lb., without giving notice of the fact to the purchaser. It appeared that the cream was contained in a jar on the counter of the dairy, which jar was labelled, in accordance with the regulations, to the effect that it contained not more than 0.5 per cent. of boric acid. It was served to the purchaser from this jar into the purchaser's jar, which also was labelled according to the Act, and placed in a paper bag. It was found that the purchaser saw neither of the labels, also that the vendor had made no attempt to conceal the labels, but the positions of the persons did not enable the purchaser to see the labels, and the Magistrate held that the label on the pots



was not such a notice to the purchaser as is required by Section 8 of the 1875 Act, and did not protect the seller. Mr. Justice Avory, in giving judgment dismissing the appeal (with which the other Judges concurred), said the Court was not entitled, in reading the section, to omit the words "shall supply to the person receiving the same a notice." The argument for the appellant really gave no effect to those words. He thought that they meant that the person selling must bring to the mind of the purchaser the fact that there is a label on the article, distinctly written or printed, to the effect that the article is mixed. In the present case, upon the facts as found, it must be taken that it was never brought to the mind of the purchaser that there was a label upon the pot of cream. Incidentally Mr. Justice Avory remarked that the case of *Jones v. Jones* had been wrongly decided upon the point in question.

#### CARBOLIC OIL AND OLIVE OIL.

At Peterborough Petty Sessions on April 29, Charles Gibbons, chemist and druggist, Woodston, was summoned for selling carbolie oil which was certified by the public analyst to be contaminated with 1 per cent. of extraneous water in mechanical suspension. There was a further summons in respect of olive oil, which was certified to be adulterated with 40 per cent. of extraneous oil (arachis oil). Mr. W. T. Mellows prosecuted. Defendant was represented by Mr. C. H. Kirby, and the wholesale vendors of the olive oil were represented by Mr. G. R. Hill.

Mr. Kirby said he had to make an application for the cases to be adjourned, in order that he might apply for the third sample in each case to be sent to the Government laboratory. The reason for this was that he had obtained the certificates of Mr. Thomas Tickle, F.I.C., public analyst for Exeter and Devonport, which were as follows regarding the samples Mr. Gibbons had forwarded:

*Olive Oil*.—"I am of opinion that the same is a sample of genuine olive oil."

*Carbolie Oil*.—"I am of opinion that the same is a sample of genuine carbolie oil, containing not less than 2.5 parts of anhydrous carbolie acid in 100 parts by measure of the liquid. The sample contained a trace of moisture amounting to 0.67 per cent. in a state of suspension, by which the liquid is rendered slightly turbid. The moisture has no effect except on the appearance of the article, the effective value of which is equal to that of a clear solution."

Upon the statements contained in those certificates Mr. Kirby thought the Bench would see there was ample reason for his application.

Mr. Hill said he only appeared in the olive-oil case, on behalf of the wholesale vendors. They were quite convinced that some unfortunate mistake had occurred in the analysis. The oil was purchased by them under a warranty from the leading importers. They had submitted three samples, one sent them by Mr. Gibbons, one out of the stock from which they supplied Mr. Gibbons, and one out of the importers' stock—to Mr. E. J. Parry, F.I.C., F.C.S., a leading London analyst, and he was confirmed in a second analysis by Dr. F. L. Teed, the City of London analyst. Mr. Parry's analysis was:

"I have made an exhaustive examination, and find it to be pure olive oil, free from trace of any arachis oil."

In those circumstances he (Mr. Hill) thought the sample must go to Somerset House.

Formal evidence was given by Mr. J. L. Seden, the inspector, as to the taking of the samples; and the Chairman, in adjourning the cases till June 11, jocularly remarked, "I think Somerset House will get through their work by then!"

## LIMITED COMPANIES.

### New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

**H. A. KING, LTD. (P.C.).** Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, opticians, extractors and adaptors of teeth, wine and spirit merchants, patent-medicine dealers, etc. The first directors are L. Tillott and A. V. J. Church, chemist and druggist. R.O., 38 Exchange Street, Norwich.

**COUNTY HOME SUPPLY, LTD. (P.C.).**—Capital 1,250*l.* Objects: To carry on the business of aerated-water manufacturers, manufacturers and mixers of fruit-essences and mineral-waters, etc., and to adopt an agreement with G. P. Hepworth. The first directors are J. S. Hepworth, J.P., and G. P. Hepworth. R.O., 317 High Holborn, London, W.C.

**PERFECT PRODUCTS CO., LTD. (P.C.).**—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, drug-store proprietors, wine and spirit merchants, manufacturers of and dealers in pharmaceutical, toilet, and other preparations, etc. The subscribers and first directors are W. S. Wain, chemist and druggist, Ripley; and E. Jones, Ph.C., Brighton. R.O., Resedale, Preston Park, Brighton.

**THE EDINBURGH AND LEITH MERCHANTS' DEFENCE ASSOCIATION** (liability limited by guarantee of the members).—Objects: To acquire the business of the Edinburgh and Leith Traders' Defence Association and to promote the development, extension, and improvement of individual trading. The signatories include J. A. Forret, pharmacist, Edinburgh, and W. S. Glass, pharmaceutical chemist, Edinburgh.

### Company News.

**ST. JACOBS OIL, LTD.**—Report of liquidator (Mr. T. H. Vernon) at meeting to be held at 80 Coleman Street, London, E.C., on May 27, at 11 A.M.

## BIRTHS.

Authenticated notices are inserted without charge.

**REIDY.**—At the Medical Hall, Cahirciveen, on April 27, the wife of John Reidy, Ph.C., of a daughter.

**ROBINSON.**—At Moora, Western Australia, on March 22, the wife of Stanley J. Robinson, chemist and druggist, late of Newport, Isle of Wight, of a daughter.

## MARRIAGES.

Authenticated notices are inserted without charge.

**BARLOW—TIMMINS.**—At All Saints' Church, Runcorn, on April 18, Edward George, son of Mr. J. A. Barlow, chemist, Burnley, to May, daughter of Mr. C. A. Timmins, Rookfield, Runcorn.

**BROCK—ADAMS.**—At the Panmure Hotel, Monifieth, on April 27, by the Rev. D. D. McLaren, B.D., Hugh William Brock, Commercial Bank, Dundee, to Isabella Stuart, daughter of the late Mr. David Adams, chemist and druggist, Dundee, and of Mrs. Adams, Helenlea, Monifieth.

**COOPER—JONES.**—At Bushey Parish Church, on April 29, William Francis Cooper, of Messrs. Cooper & Nephews, Berkhamstead, second son of the late Sir Richard Cooper, Bart., to Christine Maud, daughter of Mrs. Ernest Jones, Eardley Crescent, Kensington, W.

**COURT—AUSTEN.**—At St. Dunstan's Church, Canterbury, on April 20, Stanley Gerald Court, chemist and druggist, Hastings, younger son of Mr. Albert Court, Station Road West, Canterbury, to Winifred Muirhead, elder daughter of Mr. W. G. Austen, St. Thomas's Hill, Canterbury.

**HOLLIDAY—COURTNEY.**—At Burbage Parish Church, Buxton, on April 18, Eldred, eldest son of Mr. William Holliday, J.P., director of J. & G. Boyd, Ltd., wholesale druggists, William Street, Limerick, to Ella, youngest daughter of Mr. Henry T. W. Courtney, Pendleton, Manchester.

**KERR—KEILY.**—At the Parish Church, Mitchelstown, co. Cork, on April 20, by the Rev. Father O'Connell, John Valentine Kerr, Ph.C., Medical Hall, Ballymote, to Mary, eldest daughter of Mr. Thomas Keily, Mitchelstown.

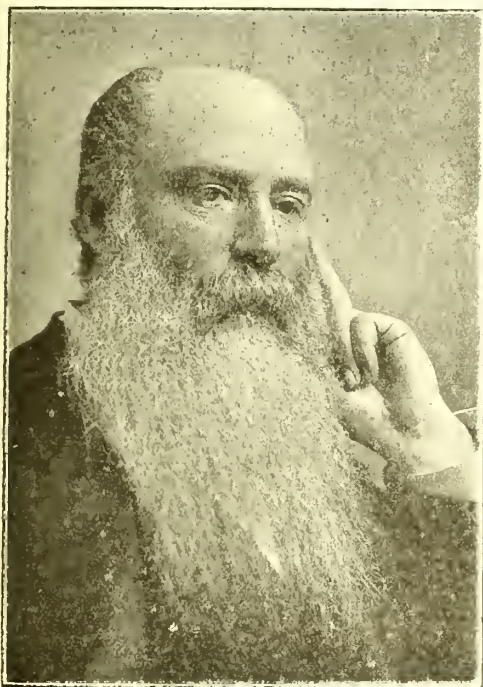
**MACKEY—DAVY.**—At the New Jerusalem Church, Embsay, near Skipton, on April 29, Charles Mackay, chemist and druggist, Foster Square, Bradford, elder son of Mr. Edward Mackay, chemist and druggist, to Beatrice, youngest daughter of the late Mr. John Davy and of Mrs. Davy, Cross End, Embsay.



## DEATHS.

Authenticated notices are inserted without charge.

**BARRATT.**—At Margate, on Sunday evening, April 26, Mr. Thomas James Barratt, D.L., F.R.M.S., chairman of A. & F. Pears, Ltd., aged seventy-two. Mr. Barratt had, in motoring down to Margate for a change, taken a chill which terminated fatally. Although much has been said of him in the daily Press this week as a bold, original, and successful advertiser and man of business, and he was proud of his success in these respects, he was a man of many parts. Since he had an attack of typhoid seven years ago, Mr. Barratt had become more silvery of hair, but he remained to the end a stalwart, energetic man; and when, in October last, on the completion of his majority as chairman of A. & F. Pears, Ltd., he was entertained to dinner in the Savoy Hotel by the directors and shareholders of the company, Mr. Barratt looked the picture of health, and as if he had many years of activity before him. On that occasion he was presented with a gold cup by his fellow directors, and the shareholders gave him his portrait, painted by Mr. Solomon J. Solomon, R.A.



[Photo, J. Russell & Sons.  
MR. THOMAS J. BARRATT.

Mr. Barratt was born in London on May 16, 1841, and after his schooling was apprenticed to the late Mr. Matthew Hale, drug-broker, Fen Court, E.C., Mr. Samuel Figgis being there at the same time, and they remained life-long friends. At that time the business of A. & F. Pears was carried on in Great Russell Street by Mr. Francis Pears, grandson of Andrew Pears, who had founded it in Soho in 1789, and shortly after Mr. Barratt's apprenticeship he joined Mr. Pears' staff with a view to helping on the business side. In 1865 he was admitted as a partner with Mr. Andrews Pears, his brother-in-law, who was manager of the factory at Isleworth, which had been established in 1861. The firm had a range of proprietary preparations besides Pears' soap, and still have, but Mr. Barratt had been devoting his time chiefly to the soap, the 1s., 2s., and 2s. 6d. balls having at that time an enormous sale. Mr. Barratt began his campaign of publicity at home, travelling all over the United Kingdom, and packing his calls on chemists with splendid advertising, including window and counter displays of the soap. Gradually the influence of the business was felt all over

the world. Mr. Barratt himself visited Australia and the United States and Canada repeatedly, and every capital of Europe was familiar to him. It was not until the 'seventies that the sixpenny tablet of Pears' soap leaped into the popular favour that it has since retained. Mr. Barratt was passionately fond of art, and his advertising had from the first an artistic character, besides being original and novel. It was he, for example, who realised the possibilities of the Births column of "The Times," and commenced to send to the mother of each baby mentioned therein a neat box containing a shilling cake of Pears' soap. Mr. Barratt had the extraordinary faculty of producing advertising schemes that became talked about. His idea of printing the word "Pears" in red so as to produce the complementary colour green when the eyes were withdrawn from staring at the word and turned up to white clouds, the ceiling, or any white space, where it seemed to be printed, sent the whole world gazing. As an advertisement it still lives and does its work. His first business venture into art that took the world by storm was Giovanni Focardi's statuette now familiar to the world as "You Dirty Boy!" This was shown in the Paris Exhibition of 1878, and the story of its purchase by Pears was thus told in the *C. & D.* at the time:

"A plaster of Paris cast from the clay model was sent to the Paris Exhibition, and it soon attained immense popularity. One of the partners in the firm of Messrs. A. & F. Pears, the well-known Court soap-makers, saw his chance of making a trade advertisement out of it, and telegraphed to Focardi, intimating that he was prepared to deal. Focardi came to Paris, and it was arranged that Messrs. Pears should have the marble original, when finished, with the sole right of reproducing the statuette in terra-cotta, for 500*l.* The plaster cast, as it stood in the exhibition, was sold for 100 guineas."

Mr. Barratt's next great artistic *coup* was the purchase of Sir John Millais' "Bubbles" in 1885. For this he paid 2,200*l.* to Millais, and 20,000*l.* was spent in reproducing it up to its appearance in 1888, when it was the advertising sensation of the year. The original of "Bubbles" was Willie James, the grandson of the artist, and Mr. Barratt told in the *C. & D.*, November 25, 1899, the true story of his acquisition of the picture and Millais's pleasure at having it reproduced so well. "That's magnificent," he said, Millais sharing with Mr. Barratt the opinion that the public deserve to have the best pictures. This was consistently practised by Mr. Barratt to the end, the last development being the exhibition on public hoardings in prominent centres of London of original oil-paintings by leading artists.

Messrs. Pears continued to conduct their wholesale business from the premises in Great Russell Street until 1888, when they removed to the palatial house which they had built for themselves at 71-75 New Oxford Street, retaining, however, the old retail shop until the lease expired. In New Oxford Street Mr. Barratt had surroundings that suited his tastes, the premises being veritable galleries of art. After Mr. Francis Pears died his son and Mr. Barratt continued to carry on the business as a firm. Its centenary year was 1889, when Mr. Barratt was entertained to a public banquet by the proprietors of the newspapers of the English-speaking world, and presented with a solid silver dessert-service. About this time a company-promoter offered the partners in the firm a million for the business; but they declined, as they had in view a conversion which would enable their customers to participate. Accordingly in June 1892 the firm was converted into a limited company, with a capital of 610,000*l.*, Mr. Barratt being chairman and Mr. Andrew Pears vice-chairman. It has been consistently successful during the twenty-two years which have elapsed since its incorporation. After the death of Mr. Andrew Pears the directorate was joined by Sir Thomas Dewar as vice-chairman, and by Sir Joseph Beecham.

We have said that outside business Mr. Barratt was a man of wide interests. He was a practical microscopist, and had for many years been a Fellow of the Royal Microscopical Society. His bent as a naturalist took him into that field of research, but he was fond of nature, animate as well as inanimate, and three years ago presented Hampstead Borough Council with a complete collection of the birds of Hampstead. He was passionately



fond of that suburb, and did more than any man of his generation to preserve its amenities. When Sir Spencer Wells, the famous surgeon, died, and his residence on Golder's Hill came on the market, Mr. Barratt prevented it becoming a building-site by buying it and holding it until it was purchased for public use. He knew everything about Hampstead, and less than eighteen months ago he published, in three large volumes, "The Annals of Hampstead," a work on which he had spent many years in amassing information and material, and which is remarkably artistic in every respect. His residence, "Bell-Moor," contains many precious masterpieces of art, including pictures by David Cox, Gilbert, Lawrence, Landseer, Linnell, Morland, and Raeburn. He was proud of Landseer's "Monarch of the Glen," which contains the fine stag that was once used by Sambourne as the basis of a cartoon of Gladstone. He had a splendid library, and had the finest collection of Nelson relics in existence, including the famous silver service presented to Lord Nelson by Lloyd after the battle of Copenhagen, as well as the Prize-list of the *Victory*. One of the rooms in "Bell-Moor" is made up of pieces of wood from Nelson's old ships. Mr. Barratt did not keep everything to himself, but presented freely to public institutions—as, for example, when five years ago he purchased two volumes of Trafalgar accounts and presented them to the museum on the *Victory*. Besides his artistic, literary, and scientific tastes, Mr. Barratt was an ardent angler, and there are few trout and salmon streams over which he did not cast a fly; indeed, he was one of the best fly fishers in the country and an expert in regard to the making of flies.

"The Passing of Thomas James Barratt to the Great Beyond, Sunday, April 26th, 1914," was the inscription on the order of the funeral service conducted at Christ Church, Hampstead, on Thursday at 11 p.m. The mourners had assembled at "Bell-Moor" to the number of about two hundred. Solomon's portrait of Mr. Barratt in the morning-room was the end of a vista carpeted with beautiful flowers, and no finer picture for a man with so artistic a mind could be conceived. Among those present, besides the family mourners, were Sir Thomas Dewar (Vice-Chairman of A. & F. Pears, Ltd.), Sir Joseph Beecham, and other directors of the company, as well as leading members of the staff: Mr. Solomon J. Solomon, R.A., Mr. T. P. O'Connor, M.P., Mr. E. J. Bevan, F.I.C., Mr. Cross, F.I.C., Mr. Gerhardt, Mr. Ernest Kent, Mr. J. H. Raphael, and Mr. Henry Walker. After the service in Christ Church the remains (the body having been cremated at Golder's Green the previous evening) were conveyed to St. Pancras Cemetery, East Finchley, and interred in the family grave.

**DANCKWERTS.**—At 2 Brechin Place, London, S.W., on April 25, Mr. William Otto Danckwerts, K.C., aged sixty. Mr. Danckwerts was one of our greatest living British lawyers, and his name was identified with pharmacy law in several respects. We may recall the fact that we obtained from him an opinion regarding certificates of qualification under the Poisons and Pharmacy Act, 1908, as a result of which the Pharmaceutical Society recognised the examiners' certificates of having passed the Major or Minor examination to be certificates within the meaning of the 1908 Act.

**DAVIDSON.**—At 45 Osborne Place, Aberdeen, on April 21, Ann Smith, widow of Mr. William Davidson, wholesale druggist.

**JONES.**—On April 26, Mr. Robert Jones, chemist and druggist, of Cefn Emrys, Llandwrog, Carnarvon, aged seventy-three. Mr. Jones, who died very suddenly, had only returned on the previous Friday from a visit to his brothers in New Zealand. He passed the Modified examination in 1869, and carried on business at Carnarvon for thirty-four years. He was unmarried.

**REAM.**—At King Street, Kings Lynn, on April 24, Mr. Alfred Ream, chemist and druggist, aged eighty-two. Mr. Ream was apprenticed to Mr. Battle, of Lincoln, and started in business on his own account at Market Rasen. In 1871 he acquired another pharmacy at Kings Lynn, which he disposed of in 1900. Mr. Ream was Mayor of the town in 1892. He leaves two sons.

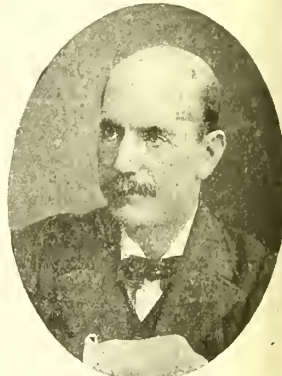
**ROBERTS.**—At Gloucester, on April 19, Mr. William Rowe Roberts, chemist and druggist, Manchester, aged fifty-five.

## Ulster Drug-trade Association.

THE celebration of the first ten years' existence of the Ulster Drug-trade Association took place on April 23 in Ye Olde Castle Restaurant, Belfast, when the President, Mr. James Tate (who is also Vice-President of the Pharmaceutical Society of Ireland), entertained the members. Advantage was taken of the occasion to make presentations to Mr. James Guiler (Hon. Secretary) and



MR. JAS. GUILER.



MR. W. J. RANKIN.

Mr. W. J. Rankin (Hon. Treasurer), in recognition of their services to the Association, and to present Mr. Wm. R. H. Orr, the Assistant Hon. Secretary, with a gift in recognition of his work on the Testimonial Committee. There was a large attendance, among those present being: Messrs. W. J. Hardy (ex-President), J. Horner Haslett, H. R. Haslett, Jacob Walsh, F. Lindsay, J. Macauley, Wm. Haslett, T. B. Gorman (Bangor), T. Finegan, R. W. McKnight, T. N. Moffitt, W. Martin, D. W. Elliott, H. Connolly, S. Fleming, W. H. McBride, W. J. Rankin, jun., A. Wilson, T. W. Wilson, J. B. McRoberts, R. Morrow, W. P. Doohan (Bangor), D. Perry, A. R. Hogg, and F. Boyle. This was the first occasion on which the Association has held a gathering of the kind, and a very pleasant hour was spent in social intercourse prior to the programme being entered upon. After tea Mr. Tate took the chair, and Mr. Orr announced the receipt of letters of apology for absence. During an interval in the musical programme, the presentations were made by the President, who handed Mr. Guiler a rose-bowl, suitably inscribed, with vases, and to Mr. Rankin a gold watch with an appropriate inscription. Addressing Mr. Guiler, the President said the tokens of esteem represented in only a minor degree the appreciation of the members for his labours on their behalf. The position of the Association is due to Mr. Guiler's untiring energy. He had displayed in his relationship with its members a true brotherhood of manner, a temperament embracing the *suaviter in modo* with the *fortiter in re* which called forth the highest admiration. The secret of it all is that love of service, rather than love of praise, has been his motive-power. Might he live long to enjoy the gifts so spontaneously offered. (Applause.) Addressing Mr. Rankin, the President said that his presentation spoke of his golden services and untiring energy on behalf of the Association. Without him they would be poor indeed. Accompanying the gift he had what was still more precious—the valuable asset of their good wishes. Their earnest desire was that as the hands of the watch pass over the dial and leave no mark behind, so also may the hand of time leave no traces on his azure brow. (Applause.) The President also handed to Mr. Orr a fountain pen in recognition of his services in organising the Testimonial Fund.

### ACKNOWLEDGMENTS.

Mr. Guiler, in his reply, said that while he appreciated the kindly feelings that had culminated in such beautiful presents, he prized more highly their esteem, regard, and friendship. As one of their Hon. Secre-



taries for the past ten years he had endeavoured to act for the welfare of the Association and to uphold its objects for their mutual benefit. He trusted the Association might have many years of usefulness and success before it, and that the friendly feeling that has been engendered among its members may long continue. Mr. Rankin said that when they did him the honour of electing him as their Hon. Treasurer again and again, he thought that was quite sufficient, and he had never looked forward to any gifts such as he had received that evening. Any little work he had done for the Association had been a pleasure to him, but the work had been very little, because the bulk of it had always fallen on the Hon. Secretary, and they could not have a more capable man than Mr. Guiler, with whom he had always worked with the greatest unanimity. The work carried on by the Association has been for the benefit of the trade. They had a good line of Presidents, and a good working committee, but there is a great deal of work yet to be done throughout Ulster. Mr. Orr briefly returned thanks for his gift, after which Mr. W. J. Hardy, ex-President of the Association, spoke eulogistically of the services of Messrs. Guiler and Rankin. During the evening songs were rendered by Messrs. Moore and Miller, and Mr. Simpson gave a couple of recitations. Votes of thanks were passed to the artistes, and to the President for his hospitality.

## PHARMACEUTICAL SOCIETY.

### NORTH BRITISH BRANCH.

A MEETING of the Executive was held in Edinburgh on Wednesday, April 22, Mr. J. P. Gilmour presiding. He referred to the death of Mr. J. W. Sutherland, and it was agreed to send a letter of condolence to Mrs. Sutherland.

#### LOCAL ORGANISATION.

It was reported that the scheme of local Associations for Scotland is now virtually completed by the formation of an Argyll County Pharmaceutical Association; also that the local Associations and committees within the area of the three Lothians have favourably entertained a proposal to establish a Lothians Pharmaceutical Association, which would be of the nature of a local Federation. There is now established in every Insurance area in Scotland a statutory Pharmaceutical Committee, and a scheme of linking-up these committees with the Pharmaceutical Society's machinery was explained.

#### OTHER BUSINESS.

It was agreed that the next election of the Executive should be on Wednesday, June 17, 1914.

The report of the Pharmaceutical Standing Committee (Scotland) was submitted for the information of the Executive, and explained by the CHAIRMAN.

Mr. W. L. CURRIE having made a statement in regard to the Assistants to Chemists and Druggists (Qualification) Bill, it was agreed, after discussion, that the Scottish members of Council might convey to the Council the general views of the Executive with regard to the Bill.

The draft annual report to the Council was considered and approved, and it was remitted to the Chairman to be adjusted and forwarded to the Council.

It was agreed to communicate with local Associations and Divisional Secretaries, with a view to securing contributions from Scottish pharmacies for the Pharmaceutical Parliamentary Fund.

A letter was submitted from the Edinburgh Pharmacy Athletic Club thanking the Society for the privilege of holding business-meetings in the Society's house.

The CHAIRMAN referred to the honorary degree of LL.D. being conferred by the Edinburgh University on Mr. James L. Ewing, a former Chairman of the Executive, and also of the Board of Examiners for Scotland, saying that they felt it an honour to their craft that one of their number, so well known and highly esteemed, had been singled out for this distinction.

## WESTMINSTER WISDOM.

### The Week in Parliament.

#### THE BUDGET.

The Chancellor of the Exchequer's annual financial statement, which was definitely fixed for Thursday, has again been postponed until Monday next—and this time in consequence of the political situation.

#### SHORT WEIGHT INQUIRY.

The Select Committee on Short Weight heard evidence on April 29 by Mr. Donald M. Stevenson, Lord Provost of Glasgow, and by Mr. C. Macdonald, Chief Inspector of Weights and Measures to the Glasgow Corporation.

#### SUB-POSTMASTERS AND THE INSURANCE ACT.

It is stated that the report of the Departmental Committee on Units is still under consideration, and therefore it is impossible to say when payments to salaried sub-postmasters will be made for their work in connection with the National Health Insurance Act.

#### COST OF DISINFECTION.

The President of the Board of Agriculture has informed Major Hope, M.P., that all materials required for the proper disinfection of infected premises are ordered by an inspector of his department, and the cost is reimbursed when the inspector is satisfied that the work has been efficiently carried out.

#### FOOD-PRESERVING TRADE.

It is announced officially that the Trade Board established under the Trade Boards Act, 1909, for the food-preserving and other trades (Great Britain) at a recent meeting fixed the minimum time rates for female workers at 3d. an hour, leaving the question of exceptions and details of the proposals over until the next meeting.

#### HOP SUBSTITUTES BILL.

The President of the Board of Agriculture has informed Mr. Dundas White, M.P., that he is not aware of any reason to exclude Scotland from the Hop Substitutes Bill. The proposed legislation is not based on the assumption that hop substitutes are deleterious to health, and he is not prepared to say whether or not hop substitutes can be so described.

#### THE CELLULOID BILLS.

On Tuesday Professor Vivian B. Lewes gave evidence before the House of Commons Select Committee on this subject, giving it a demonstration by applying a burning cigarette to a celluloid comb and igniting a piece of the comb with a lighted match. This was *à propos* of cinematograph films. Mr. Vesey Knox, K.C., afterward opened the case for the Bill. Professor Lewes continued his evidence on Wednesday and was followed by Mr. Deputy A. C. Morton, M.P., and other witnesses.

#### FEATHERS OR VOTES.

As indicated in last week's issue of the *C. & D.*, Mr. Glyn-Jones, M.P., moved on April 24 an amendment to the Importation of Plumage Bill in Standing Committee to the effect that the word "person," where used in the Bill, should not apply to any woman over twenty-one years of age. He argued that to dictate by law what women might wear in their hats would add greatly to the indignation which thousands of women feel at being legislated for by men. The Government, in his view, must give the women either feathers or votes. (Laughter.) By passing the Bill Ministers would be making a present to the militant suffragists of the easiest way into gaol that could be devised. Eventually the amendment was varied so that the exemption which it would give should not apply to women engaged in importing, buying, or selling prohibited plumage, and in this form it was carried by sixteen votes to fifteen.

#### THE OPIUM-TRADE.

In the House of Commons on April 23, Mr. Acland informed Mr. Theodore Taylor, M.P., that he is aware of the fact that the stocks of unsold Indian opium in Shanghai are being held by a syndicate of dealers, and that the syndicate has realised from recent sales profits



of as much as 100 per cent. Under the agreement of 1911 provinces which are shown not to produce or import native opium can be closed to Indian opium, and action will no doubt be taken whenever or wherever this condition exists as it has been in the past.—Mr. Taylor: Is the hon. gentleman not aware that the opium in question was bought by the syndicate at from 3,000 to 4,000 rupees per chest, and is being sold in China at 6,000 or 7,000 taels per chest, which represents profits of from 100 to 200 per cent.? Mr. Acland said he believed that is about the rate of profit recently.—Sir J. D. Rees: Is the hon. gentleman aware that these merchants have been a long time out of their money, and it is a question of justice? Mr. Acland: I believe they are making enormous profits wholesale.

## Patents in the Argentine.

THE regulations concerning the Argentine law providing for a special impost on medicinal and veterinary specialties, mineral waters, and articles for toilet use have now been received at the Commercial Intelligence Branch of the Board of Trade, 73 Basinghall Street, London, E.C., and may be seen there. A summary of the regulations is published in the "Board of Trade Journal," and as the matter is of considerable interest to British traders we give the details:

Article 3 provides that, for the purposes of the duty imposed by the law, the denomination "medicinal speciality" comprises any preparation or product of a medicinal character—generally sold to the public in the original receptacle—which is distinguished by its "making-up" (*acondicionamiento*) or by any mark, name, signature, or other attestation on the receptacle, and which is recommended or employed for the treatment of specific complaints.

Article 4 states that, for the purposes of the assessment of the tax, a unit of sale (*unidad de venta*) shall be understood to mean every immediate receptacle which covers or contains the article dutiable under the law—e.g., bottle, phial, tube, box, jar, envelope, packet, etc.

Article 9 provides that imported goods which have not been taken out of their outer cases or coverings (*envases mayores*) can remain as originally packed without being stamped; but the importer must affix to each package a "control ticket," which shall be supplied to him by the Administration, and which shall show the number of dutiable units, their kind, date of clearance, name and domicile of the importer, and total amount of duty paid.

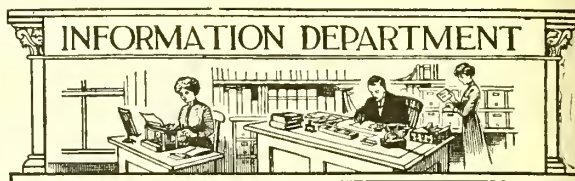
Article 25 prescribes that, in the case of products the selling price of which (per unit of retail sale) is less than 41 centavos paper currency (about 8½d.), the price must be marked thereon, or, alternatively, they must bear a statement indicating that the price is less than 41 centavos, which statement must be clearly visible, and in a form which satisfies the Inland Revenue Administration.

Article 31 provides that the proper stamps are to be affixed in a visible spot to the wrappers, and in the manner decided upon by the Inland Revenue Administration.

Our Paris correspondent writes: The French Minister of Foreign Affairs has addressed a letter to the French Perfumers' Association which reports the results of the long and laborious efforts made, in collaboration with the Wholesale Druggists' Association, to obtain satisfaction from the Government of the Argentine Republic with regard to the new duties on the goods in which they are interested. The law regulating the taxes on perfumery and patent medicines has been voted by the Argentine Parliament. Though the text had not been officially promulgated at the time, the French Minister at Buenos Ayres states that the leading provisions are as follows:

The tax will be levied when goods leave the bonded warehouse or factory by means of labels affixed on the recipients (box, bottle, tube, or otherwise).

Each package containing patent medicines will be stamped at 10 centavos, veterinary remedies 5c. Natural mineral waters will pay 5c., artificial 10c., and large carboys, etc., 10c. per litre. Concentrated perfumery and tinctures will pay 50c. per bottle. Pomades, toilet-soap, waters, eau de Cologne, toilet-vinegar, and brilliantine are taxed at 20c.; dentifrices (paste and powder), soap-powder, cosmetic, and perfumed oils at 15c. Toilette and hygienic goods selling at less than 41c. are to be exempt.



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C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).

Telephone Number: BANK 852 (two lines).

## INFORMATION WANTED.

Postal or telephone information as to the names and addresses of the agents for or makers of the undermentioned articles is solicited. Please address as above.

- |   |   |
|---|---|
| 202/32. Henry's santal capsules.                      | 207/5. Brook's chrysarobin pencils. "Weedite."  |
| 201/65. "O.O. Hygenia" atomisers (Goodyear Mfg. Co.). | 207/6. "Oko" wool.  |
| 201/72. "Muscara" blocks.                             | 207/15. "Pino-Genine."  |
| 201/71. Dr. Eric Hoff's "U.A.E." tablets.             | 206/72. "Nutro" hair-cream  |
| 205/52. "Surrenine."                                  | 208/19. "Weedite."  |
| 205/53. "Dhobine Liquid."                             | 206/73. "Airfloat" American talo powder.  |
| 203/20. "Virgin Bi-Nuxem."                            | 208/74. "Fleurs Verité" assorted perfumes.  |
| 204/33. Cleaver's capsules for asthma.                | 208/47. Puzey's embrocation.  |
| 204/330. "Benzo."                                     | 208/40. Makers of glass bends (to fit in counter-sunk recess space in front of shop-bottles). |
| 203/16. "Delhyde" (for cows).                         | 207/45. Tænigen capsules, for dogs.   |
| 207/4. "Tynheur" hot-air bath.                        |   |

## INFORMATION SUPPLIED.

Inquiries in regard to the following articles have been answered. The information will be given to others who send a stamped and addressed envelope for it to the above address.

- |   |   |
|---|---|
| Anhydrous ammonia, 204/59                             | "O.K." freezers, 204/110                                  |
| Baker's kidney-pills, 196/36                          | Ovoleo, 203/17  |
| Bissulin, 208/32                                      | "Pedico" balm and foot-soap, 196/360                      |
| "Blue Jay" corn-plasters, 207/59                      | "Peerless" ice-cream freezers (J. C. P.), 204/11          |
| Bone-marrow and spleen (in tubes), 195/69             | Pelletierine tannate, 178/9                               |
| Bottle-washing machinery, 206/40                      | Perfumery boxes and bottles (for Queensland), 205/27      |
| Calderara Bankman soap, 199/53                        | Polishes, etc. (made to own formulas), 205/63             |
| "Climax" weed-killer, 208/19                          | Powell's balsam of aniseed, 199/32                        |
| Contra-toxin, 208/17                                  | Preliminary examinations (correspondence tuition), 173/70 |
| Dermogen soap, 196/363                                | Protosan, 196/40  |
| Grease-proof boxes, cardboard (with tin lids), 207/34 | "Tally Ho" polishes, 188/464                              |
| "H. & W." Ideal ear-caps, 108/31                      | Roborat Co.'s products, 191/58                            |
| Hewthorn's specialties, 203/18                        | Rodagen tablets, 207/17                                   |
| "Holdfast" soothers, 205/62                           | "Revelation" tooth-powder, 198/43                         |
| Humphrey's veterinary specific (homoeopathic), 206/74 | Sanderson's emulsion for dogs, 208/190                    |
| Ice-cream freezers (bucket type), 204/11              | Sedobrol tablets, 206/73                                  |
| "Kanofelin" worm-capsules, 196/362                    | Shirley's nebular fluid, 205/60                           |
| Kia-ora, 205/51                                       | Skeleton's eye-ointment, 200/57                           |
| Leciglobin, 205/54                                    | Skeletons, articulated, 198/64                            |
| Liq. sibka, 203/61                                    | Soda-fountain and draught arms, 206/9                     |
| "Listoma," 205/450                                    | Spralite, 208/33  |
| "Long Acre" cold-cream, 197/3                         | "Stainoff," 207/16  |
| Lutein tablets, 202/32                                | Stohr's bath-tablets, 201/18                              |
| Methylic alcohol, 204/3                               | Suprarenal extract, 192/8                                 |
| Museum and specimen jars, 192/71                      | and 200/54  |
| Norton's camomile-pills, 207/590                      | Sydenham's embrocation, 207/16                            |
| "Odin" vegetable extracts, 206/52                     | Taffetas, 207/6   |
| "Odoral" disinfectant, 196/361                        | Tekko paste, 207/70                                       |
| Offord hygienic truss, 204/70                         | Thomson's vine-manure, 207/37                             |



## OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

## Your Colonial Issue,

Like similar numbers in past years, is full of "meat," but the palm must be awarded to the singularly fascinating history of the house of Howards, whose soda, Epsoms, quinine, and many other Howards' chemicals are among the very earliest memories of my apprentice-days. The only quinine I ever saw during my first six years of pharmacy was Howards', and that was almost invariably in 1-oz. bottles. If I am not mistaken, its wholesale price touched 17s. per oz. during the 'seventies, a very different price from the 'd. or so that was ruling some months ago. In those days we regarded the name of Howards with a respect akin to reverence, and we had slip labels specially printed bearing the magic name—a custom that is still maintained in many pharmacies. It is remarkable that the public are still willing to pay more for Howards' chemicals than for those of unnamed makers. Is there another house in the world of which this can be said after nearly 120 years' trading by four generations of the same family? What is the secret? It is all very simple: the firm of Howards is based and built on character, and so long as its members are inspired by the same inflexible integrity that inspired its founders, so long will they maintain their reputation in the industrial world.

## The Present Relation of Wholesaler and Retailer

As admirably stated by Mr. Hill in the address which you review, but I think both you and he are a little in error with regard to the past—that he exaggerates the hostility that formerly existed between them, and that you are mistaken in contrasting whatever hostility there was with supposedly happier relations at an earlier time. My experience of the drug-trade now extends over fifty-two years, during the second decade of which I was in the employ of wholesale houses, and I am persuaded that "hostility" (the word is rather strong) between the two sections was commoner at the beginning of my career than it has ever since been. There was a little set-back rather more than thirty years ago, but speaking generally their relation has been growing in cordiality all along. Fifty years since retailers as a class regarded wholesalers with distrust, as unreliable with respect to quality, and as making an unfair profit out of their goods; they thought their own preparations both better and cheaper, and preferred (as one of my customers once in jest put it to me), if there was any "faking" to be done, to do it themselves. This feeling has been steadily disappearing ever since. The little set-back to which I have referred came when wholesale houses began, ostensibly in our interest, but, as we thought, in opposition to it, to put up "proprietary" for counter sale. That in this instance they were right and we were wrong is now clear; we could not, as Mr. Hill says, have competed so successfully with the large advertiser without their help. And I believe that our happier relations are due mainly to our better education both as pharmacists and as business men.

## Complaints against Pharmacists

In connection with Insurance dispensing are to be expected, but those mentioned in your report last week were trivial, and we may think ourselves fortunate if nothing more serious is ever brought forward. The case where a proprietary, not in the list of the firm whose make was specified, was prescribed, and where another preparation was substituted, was a somewhat narrow one. Assuming that the pharmacist made inquiries of the firm in question, it might have involved twenty-four hours' delay, and even panel patients might object to this. Moreover, it is quite a common experience for us to receive prescriptions for branded goods with the wrong initials attached—as, for example, Ung. Picis Co. Brown), when every pharmacist knows that the maker of

this ointment is not Brown but Robinson. What are we supposed to do in an urgent case when we are faced with a problem like this? Another practice spoken of is where a medical man prescribes formulae known only to one chemist in the district. This highly unsatisfactory system is bound to lead to disputes, and I hope we shall ere long see the last of it.

## The Authentic History of Chester

beginning, as Mr. Owen says, in Roman times, but there is good reason to believe that a town or settlement of some kind had existed on the same site long before. The Celts were not the aboriginal inhabitants of Britain, or of any part of Western Europe, and it is certain that their successive invasions did not entirely displace the non-Aryan people they found there. When they came we do not know, but the British Isles were known to Aristotle three centuries before Caesar's time. Canon Taylor thought the name "Britain" of Euskarian origin. One should not be dogmatic about names; it is rash to say that the fact of "Chester" standing alone proves the place to have been the most important Roman military station in Britain. What about Caistor, Castor, and Caster, not to mention other Chesters with late Saxon or other additions to their name? The very names for Chester on the Dee cited by Mr. Owen as Saxon—though I fancy only one of them (Leganceaster, that is to say, Leicester) has a Saxon element in it—prove that this town had no pre-eminence over others in this respect: Caerleon ar Ddyfrdwy is simply the Welsh form of "The Camp of the Legion on the Dee." The usual Roman name for the town was Deva originally, as a coin of Severus Geta cited by Pennant shows—Colonia Devana; Castra Devana, meaning exactly the same as the Welsh name, also occurs. I do not say this in disparagement of a city I love beyond most others. I delight to recall the magnificent description given of it by "Lucian the Monk," as quoted by Camden, one sentence of which I must repeat:

"Besides, it lies curiously, not only for prospect, towards Rome and the Empire, but the whole world; a spectacle exposed to the eye of all the world; so that from thence may be discerned the great actions of the world, and the first springs and consequences of them, the persons who, the places where, and the time when they were transacted. . . . The City has four gates; on the east-side it has a prospect towards India (!); on the west towards Ireland." Clearly Chester is an ideal place for the meeting of the British Pharmaceutical Conference.

## Those Americans

are at us again. This time it is Mr. Herbert N. Casson who lectures us on our lack of business enterprise, our fear of letting ourselves go, our weak chins, our absurd regard for dignity. Mr. Casson is, as one of his admirers says, "a quick-fire artist, who hits everything on the head, and wastes not a second on trivialities." His art, of course, is that of advertisement; it is by this means that he takes the "grouch" out of cities and men, and puts "punch" into them. The one aim of the business man, it appears, should be to make himself notorious, to be seen, at all costs. The American understands this; the Englishman has not even eyes to see. If Westminster Abbey were painted pink, says Mr. Casson, Londoners would see it for the first time, and I gather that if he "ran" the Abbey he would so paint it; he would wake us up, anyhow. Eyes or no eyes, the English trader is too sleepy to waken anybody, not excepting himself. But in one respect he is beforehand with his transatlantic cousin; he has mottoes for most of his cities, whereas New York is still without one. I am surprised at New York mottoes are so cheap, and American poets are such dab hands at them. It is presumptuous to venture where Mr. Casson has failed, but I suggest a banner with the strange device "Boost Away!" I hardly say "Rexall" would not object.



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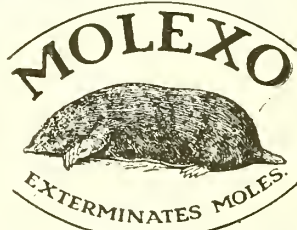
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FLOWERS OF SUL- PHUR, Finest English	13/6 cwt		
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## Editorial Articles.

### "Medicines Dispensed."

The serial publication at the present time of an Encyclopædia of Medicine for public use is causing many chemists in this country considerable difficulty, because their customers bring to them numbers of the Encyclopædia asking them to dispense the prescriptions; and when these contain poisons many chemists are in a quandary as to what they should do. On the one hand, they are subject to the provisions of the Acts which apply to the dispensing and sale of poisons, and, on the other, if they presume to advise their customers as to whether or not particular medicines should be taken by them, they step into the province of the medical practitioner, which some have strong objections to doing. It is desirable, therefore, that we should outline as concisely as possible how the laws dealing with the dispensing of poisons apply in these circumstances. We quote from No. 5 of the Encyclopædia three prescriptions, which sufficiently illus-



trate the statutory conditions which have to be observed by all registered chemists when dispensing them :

## No. 1.

*Bromide Mixture.*

Potassium bromide	...	45 grains
Arsenical solution	...	20 minims
Syrup	...	6 drachms
Cinnamon-water, enough to make	...	6 ounces

Make into a mixture. Take two table spoonful after the mid-day and evening meals when required.

## No. 2.

Tincture of belladonna	...	1 drachm
Bicarbonate of sodium	...	3 drachms
Peppermint-water, enough to make	...	6 ounces

Make into a mixture. Take one table spoonful twice a day after meals if perspiration is excessive.

## No. 3.

Quinine sulphate	...	24 grains
Dilute hydrobromic acid	...	2 drachms
Solution of strychnine	...	30 minims
Chloroform-water, enough to make	...	6 ounces

Make into a mixture. Take one table spoonful three times a day after meals.

The first prescription contains arsenic, and comes under the Arsenic Act as well as the Pharmacy Acts. The Arsenic Act applies to Ireland as well as to Great Britain, and what we say in regard to it applies to the United Kingdom. Section 5 of the Arsenic Act is as follows :

Provided that this Act shall not extend to the sale of arsenic when the same forms part of the ingredients of any medicine required to be made up or compounded according to the prescription of a legally qualified medical practitioner, or a member of the medical profession, or to the sale of arsenic by wholesale to retail dealers upon orders in writing in the ordinary course of wholesale dealing.

The italicised part of the section is a sufficiently specific restriction to prevent chemists regarding such a prescription as No. 1 as being on all-fours with the others. Clearly the Arsenic Act requires that the prescription shall be one of a legally qualified medical practitioner, and the only question which can be in doubt is as to whether a prescription in this particular Encyclopædia, edited by a legally qualified medical practitioner, is within the purview of the terms of the Arsenic Act. We question if it is; the point is no doubt open to argument, but chemists will be on safe ground if they treat such a dispensing transaction as a sale of arsenic, and enter it in their poison-book in the manner prescribed by the Arsenic Act, as shown in the *C. & D. Diary*, p. 474. It can only be dispensed to a person known to the seller or introduced to the seller by someone known to him, and when all the formalities of a sale of arsenic are conformed to. Both of the other prescriptions contain poisons within the meaning of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908. The Pharmacy Act (Ireland), 1875, Section 1, provides for the qualification of persons desirous of keeping open shop for the retailing, dispensing, or compounding poisons or medical prescriptions; and the Sale of Poisons (Ireland) Act, 1870, provides the same exemption as to dispensing which occurs in Section 17 of the Pharmacy Act, 1868—namely, that the conditions as to entering sales of Part I. poisons and labelling those of Parts I. and II. shall not apply

to any article when forming part of the ingredients of any medicine . . . dispensed by a person registered under this Act; provided such medicine be labelled in the manner aforesaid with the name and address of the seller, and the ingredients thereof be entered with the name of the person to whom it is sold and delivered in a book to be kept by the seller for that purpose.

It will be seen that there is no reference in the quotation to medical prescriptions, while there is in Section 1 of

the Irish Act. The latter reference makes no actual difference in practice, however, except as regards the qualification of the person keeping open shop. The question, therefore, What is a medical prescription? only arises in Ireland in cases where a statutory qualification is requisite for those who dispense medical prescriptions. The question has not been authoritatively decided in Ireland, and only by the way in England; Lord Chief Justice Denman having said in the Apothecaries' Co. v. Allen that "dispensing most properly means a dispensing in pursuance of a man's own advice as well as the advice of a physician," which dictum might be construed to imply that a medical prescription might be one by an ordinary customer, and not necessarily one written by a physician. In respect, therefore, of the actual dispensing of Prescriptions 2 and 3 and any others containing scheduled poisons by legally qualified persons, the law in Ireland is the same as in Great Britain. It is clear also that the question as to whether medicine is dispensed from a medical prescription or not does not arise, because the exemption provided in the 1868 and 1870 Acts is one to chemists in respect to medicines which they dispense. When the official amendment to the original Section 17 was formulated by Mr. John Simon, on behalf of the Government of the day, the exemption was by him confined to medicines prescribed by registered medical practitioners, as in the Arsenic Act; but Mr. G. W. Sandford, then President of the Pharmaceutical Society of Great Britain, strenuously opposed this provision, and he succeeded in getting substituted for it the exemption which we have quoted. Mr. Sandford's intention was that the exemption should be in regard to any medicine compounded by registered chemists. Consequently the prescriptions contained in the Encyclopædia are as much the subject of the exemption as they would be were they presented in the holograph of a registered medical practitioner. Any doubt that there might be in regard to this was removed in the case of *Berry v. Henderson*, which was the first case under the 1868 Act carried to the High Court. In it a person who was not a registered medical practitioner wrote in a chemist's shop a prescription for a lotion containing hydrocyanic acid, and subsequently swallowed the lotion dispensed by the chemist, who was prosecuted under the Act because he did not treat the dispensing as the sale of a poison, but as a transaction which enjoyed the Section 17 exemption. The Court, consisting of Mr. Justice Hannen and Mr. Justice Lush, held that the lotion was a medicine within the meaning of the exemption in Section 17 of medicine dispensed by a registered person, Mr. Justice Lush remarking :

"The proviso seems to put upon the same footing a legally qualified practitioner supplying the thing to his patient, and a registered chemist dispensing such a thing. If a duly qualified medical man had directly supplied or delivered to his patient this compound of prussic acid and rose-water, as a lotion, he would have been protected under the proviso; and we must apply the same rule to a registered chemist making up that compound from a prescription, which is what I understand to be involved in the word 'dispensing'—the making-up something that is prescribed, and selling it with directions how it is to be used."

There being no doubt in regard to the legality of registered chemists treating prescriptions in the Encyclopædia as coming within the same exemption as prescriptions written by medical practitioners whom they know, it is apparent that they are perfectly free to dispense such medicines to anybody, whether they know them or not, and to treat them solely as dispensing transactions, except when arsenic is among the ingredients prescribed. The situation is extraordinary, and is one that Mr. Sandford



could never have contemplated. We believe that chemists generally will use the power that they possess with discretion, and will sustain their reputation of standing between the public and the poisons-cupboard, but we should like to know what the Pharmaceutical Council say about the matter. Now is the time for them to do something if they can, because the General Medical Council may have something to say about it and cognate questions before the June meetings of the Councils.

### Veronal-poisoning.

A SERIES of three articles on veronal-poisoning is given in the "British Medical Journal" (1914, I., 853). In the first of these, by Mr. E. Russell, B.Sc., and Dr. George Parker, the deceased person is assumed to have taken 50 grains. The method of isolating and indentifying the veronal from the urine (175 c.c.) was that devised by Dr. Willcox as follows:

Lead acetate added in excess, filtered, and excess of lead removed by  $\text{H}_2\text{S}$ ; the solution remaining feebly acid to acetic acid was concentrated at a low temperature to 60 c.c., a little blood-charcoal added, and allowed to stand for a few hours, filtered, and evaporated to about 30 c.c. in a water-bath at a temperature below  $60^\circ\text{C}$ ., extracted with two volumes of ether three times, separated, and ethereal fluid filtered into a tared flask, evaporated off ether at laboratory temperature, and finally under air-pump; failing to remove last traces of water by these means, evaporated in water-bath below  $60^\circ\text{C}$ . until crystals appear.

Weight of crystals, 0.31 gram.

Recrystallised from ether, melting-point  $183^\circ\text{C}$ .

Recrystallised from water, melting-point  $186^\circ\text{C}$ .

Mixed with crystals of hippuric acid and succinic acid to obtain cross melting-point, melting took place between  $150^\circ$  and  $175^\circ\text{C}$ .

Mixed with crystals of veronal, melting-point  $186^\circ\text{C}$ ., melted at  $186^\circ\text{C}$ .

Crystallographic appearances, both rhombic and fan-shaped, were obtained of similar character to those obtained from veronal.

Chemical reactions with Millon's reagent, a white precipitate soluble in excess.

Boiled with  $\text{KOH}$ , no reaction.

Crystals fused with  $\text{KOH}$  gave smell of ammonia, and the resulting solid had a rancid smell; the solid dissolved in water gave a slight brown colour with Nessler's reagent.

Crystals were also isolated from the viscera and brain, but in this case the melting-point of the veronal was  $184^\circ\text{C}$ . The total amount assumed to have been taken by the deceased person was deduced from the amount found in the urine. In the second of the articles referred to Dr. Munro, Bath, records a case of a young lady of twenty who recovered after taking 125 grains. She was unconscious, totally or partially, for three and a half days. This case was treated by periodical rectal injections of saline and withdrawals of urine by catheter, with oxygen inhalation for cyanosis, and strychnine hypodermically as the pulse weakened. Photomicrographs are shown of veronal recovered from the urine. The third article, by Dr. Dick, Staveley, gives particulars of a case where a woman of forty took 35 grains of veronal, slept for over four days, and recovered apparently without the administration of remedies. In the first article the following remark occurs:

"It is remarkable how little the decision of the Privy Council to include veronal under Schedule II. of the Pharmacy Act as a poison is known to pharmacists."

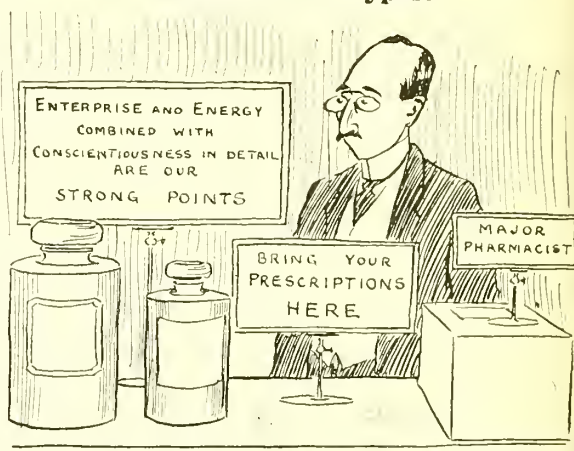
We see nothing in the article to justify this assertion.

**TINNEVELLY SENNA.**—"The Journal of the Society of Arts" reports that the Tinnevelly senna-crop is harvested about the end of April or the beginning of May, the picking being done by women. Of the total mass of leaf on a plant, the lower one-fourth, which yields the best leaf, is stripped off in the first picking. The outturn is about 75 lb. per acre for the first picking. After picking, the leaves are spread over gabled sheds to dry.

## Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

### Panel Chemist Types.



### THE MODEST ONE.

There is nothing that I hate so much as "swanking,"  
And some chemists have a sickening lot of "side";  
Though *my* merit with the best of them is ranking,  
All my qualities I most discreetly hide.

But I owe it to the poor and the deserving  
That a point or two about me should be known;  
Thus I perpetrate these placards—most unnerving—  
So that even panel patients may get "tone."

### Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

#### ENGLAND.

**Brighton.**—At the meeting of the Insurance Committee on April 23, Councillor Yates, chemist, drew the attention of the medical members of the Insurance Committee to the fact that the accounts for medicines and appliances had gone up quarter by quarter from 849l. to 1,135l., the average cost per prescription rising from 7.11d. to 8.54d. He hoped that the panel doctors would see that there is no unwise prescribing. He also complained of delay in payment to chemists of the balances of their last year's accounts. Dr. Fothergill said Councillor Yates was not in a position to judge the necessities of the case. The number of prescriptions should be taken in conjunction with the particular quarter. The first and last quarters were seasons of illness.

**Canterbury.**—The Clerk informed the Insurance Committee on April 21 that 1,540 prescriptions, value 52l., had been checked by the Pharmaceutical Standing Committee, who only discovered discrepancies to the value of 8s. The Finance Sub-Committee had decided to wait until the visit of the official auditor, after which they would consider what checking requirements were necessary for the future. In connection with the complaint by a medical member regarding the loss following the inability to allocate insured persons who had not applied for their medical tickets, one member said, "Surely the grievance is on the part of the chemists? They will lose their money for the goods they have supplied. It seems to me a scandalous thing that chemists should supply goods and then be kept an indefinite period without payment because there is no money in hand. We ought to be able to pay our debts."

**Cumberland.**—The Pharmaceutical Committee have reported to the Insurance Committee the result of their examination of Insurance prescriptions for the fourth quarter, and point out that, notwithstanding the recommendation of the local Medical Committee, expensive pro-



proprietary articles are still being prescribed in certain districts, although perhaps not to the same extent as in previous quarters. They recommend that the attention of the Panel Committee or Joint Services Sub-Committee be drawn to it. Three bottles of Smith's glyco heroin at 4s. 9d. each, and eight bottles at 4s. 1d. each, had been ordered; also fifteen bottles (in all) Kepler's malt and oil at 3s. 3d. and 1s. 10d. each; also cascara evacuant, aspirin, nebuline, guayose, Scott's and Angier's emulsion, formamint, bisedia, Nesbitt's specific, etc. The Pharmaceutical Committee noted that several chemists had omitted to stamp their prescriptions before sending them in, and have drawn their attention to the omission. They strongly recommend that all prescriptions be written in the name of the patient only, as previously suggested, as in one case dressings to the value of 1l. 14s. were supplied in the name of the doctor. Complaints continue to be received as to doctors recommending particular chemists, and this Committee would suggest that a card be printed as follows for exhibition in doctors' surgeries, dispensaries, and the windows of chemists' shops:

## CUMBERLAND INSURANCE COMMITTEE.

## Notice to Insured Persons.

Insured persons are hereby informed that they can choose any chemist on the Panel to dispense the prescriptions which the doctor gives them.

Signed,

Clerk.

Statistics of accounts for the year ended January 12, 1914, are appended:

		Number of Prescriptions.	Cost.
1st Quarter	...	31,802	£934 4 3
2nd do.	...	26,313	929 10 0½
3rd do.	...	27,273	996 10 0½
4th do.	...	32,845	1,212 7 6
		118,233	£4,072 11 10

The average cost for the year is 8½d. each, and for the fourth quarter 8¾d. each. An analysis of prescriptions for quarter ending January 12 in the different towns in the county resulted as follows:

Number of Prescriptions.	Town.	Cost.	Average
10,220	Carlisle ...	£410 16 5	9½d.
5,435	Workington ...	203 14 11½	8½d.
3,729	Whitehaven ...	112 18 5½	7½d.
3,018	Millom ...	110 0 4½	8½d.
2,042	Maryport ...	64 19 5½	7½d.
1,123	Cleator Moor ...	37 17 4½	8½d.
1,046	Egremont ...	37 13 0	8½d.
1,042	Penrith ...	42 8 0	7½d.
893	Cockermouth ...	34 11 10	9½d.
633	Keswick ...	36 2 8	1s. 2d.
588	Wigton ...	22 10 10½	9½d.

The Pharmaceutical Committee call attention to the fact that 540 prescriptions cost 21l. 8s. 5d. in one town, and 539 cost 31l. 9s. 5½d., or 10l. more, in another town. The Pharmaceutical Committee emphasised the point that original prescriptions should be marked "A," the duplicate "B," to avoid the duplicates being sent in by mistake. They also press strongly that all new prescription-forms may have the following words added: "This prescription may be taken to any chemist on the panel."

**Derby.**—At the meeting of the Borough Insurance Committee on April 22, the report of the Finance Sub-Committee showed that Mr. W. Riley (Secretary of the local Chemists' Association) had been appointed to check prescriptions and accounts for the quarter ended April 11 at 6d. per 100. The Clerk reported a deficiency in the Drug Fund, and it was resolved that he proceed to London and interview the Insurance Commissioners. Consideration of the matter was accordingly deferred.

**Dorset.**—The provisional credit made to the County Committee by the Commissioners is a sum of 24,581l. 4s. 5d. for first year's working, based on 57,838 insured persons. Of this sum, the medical men have received or will receive 21,383l. (including 2,101l. 18s. 10d. for dispensing services in rural areas), against 2,501l. 7s. 5d. paid to the chemists. The "floating sixpence" has been encroached upon to the extent of 265l. 9s. 3d., the Drug Fund having only a value of 4,337l. 17s., whereas 4,603l. 6s. 3d. has been paid to doctors and chemists for drugs.

**Herefordshire.**—Payment has been sanctioned of 90 per cent. of chemists' accounts as rendered for the quarter ended April 11.

**Isle of Wight.**—Chemists' accounts for the quarter ended April 12 are to be paid in full on completion of checking.

**Kent.**—The approval of the Insurance Commissioners has been asked for allocation of the sum of 85l. to the Pharmaceutical Committee for administration expenses during

the six months ending July 15 next. The Insurance Committee on April 22 decided to ask the Pharmaceutical and Panel Committees to consider the desirability of entering into an arrangement for the cost of checking prescriptions to be borne equally between the three Committees. An application by the Pharmaceutical Committee for monthly payments of chemists' accounts was deferred, pending the settlement of the future checking of prescriptions. Meanwhile quarterly payments are to be made at the rate of 95 per cent. of the accounts as rendered. Mr. S. Emms (Cliffe-at-Hoo) asked to be allowed to withdraw from the chemists' panel as from April 11. The Sub-Committee, being of opinion that reasonable notice should be given, recommended that the withdrawal should not take place before May 6.

**London.**—The Pharmaceutical Committee of the county has taken an office at 233-236 Bank Chambers, 329 High Holborn, W.C. This will provide a committee-room and rooms for the Secretary and his assistants.

**Manchester.**—An amazing attack on chemists was made by Mr. J. V. Smith at the meeting of the Insurance Committee on April 29. When pressed by the Chairman (Mr. W. Davies) to "table any charges," Mr. Smith replied that he simply made a general charge, which is that "complaints are rife to the effect that chemists are robbing the patients, and the doctors are being blamed for not treating the patients properly." Mr. Smith said it had been stated that the medicines supplied by the chemists are not as strong as supplied by private doctors, and he wished to know if there is any check on the chemists. Mr. Walter Davies (the Chairman) pointed out that if Mr. Smith or any doctor could bring a definite case before the Committee, the chemist who altered the prescription left himself open to dismissal from the panel. Mr. Harry Kemp, the representative of the pharmacists on the Committee, said that with regard to the alleged robbing of the patients by chemists the Manchester pharmacists would investigate any information that is brought before them relating to anything of that kind. If any charge is proved, the sooner any man who is guilty of such an act is expelled from the list of panel chemists, the better it would be for the profession as a whole. If, on the other hand, the charge is without foundation, the better it would be for the chemist and the insured patient. Alderman Plummer (the Chairman of the Medical Service Sub-Committee) characterised the charge made by Mr. Smith as "a most tremendous one." It is unthinkable, he said, that a chemist would tamper with a prescription. If any such case comes before that Committee he would expose and punish the offender very severely. They ought to have definite statements, and not general statements, on such serious matters. Dr. T. A. Helme, on behalf of the doctors, said, in reference to the general charges made against the chemists, that the medical profession had suffered in the same way by such charges, and the chemists would be besmirched by a general charge, and improperly so. The Medical Sub-Committee took no part in such a charge. If there is sufficient ground for the charge, any doctor knows the proper course to take. There is proper machinery to hand whereby investigation can be made. The matter then dropped.—The Pharmaceutical Committee had formulated their claims in respect to over-prescribing, and the Committee now decided to pay balances of 25 per cent. of the medical credits retained to those panel doctors against whom chemists brought no complaint. The amount thus disbursed is 7,661l. It was resolved that the money be paid. The Clerk also mentioned that it is suggested that the Committee should make a payment of 40 per cent. on account of the work done by the doctors for the quarter ended March 31. This amounts to 15,771l., and it was decided to pay it.

**Newcastle-on-Tyne.**—The Insurance Committee on April 21 decided to advertise for a clerk at a salary of 120l. per annum for prescription-checking, this remuneration to be borne in equal shares by the Panel, Pharmaceutical, and Insurance Committees. The report of the Medical Benefit Sub-Committee contained the following resolution:

That the Pharmaceutical Committee respectfully draw the attention of the Panel Committee to the fact that they have had brought to their notice some instances of prescribing of larger quantities of medicines and dressings than were necessary, and also instances of expensive drugs (proprietary and otherwise) being ordered, and that this Committee consider that these illustrate so well the danger to the Drug Fund of such prescribing that they ask for an investigation by the Panel Committee, in accordance with Medical Regulations.

The Clerk reported that a sub-committee of the Panel Committee were at present considering the matter.

**Oldham.**—The Insurance Committee last week were informed that the Medical Benefit Sub-Committee approved



the chemists' rota received from the local Pharmaceutical Association. The Sub-Committee had decided to add thereto a request to insured persons to take their prescriptions not later than 9 o'clock in the evening, and, as far as possible, in the day time.

**Portsmouth.**—The Insurance Committee on April 23 considered a return from the Pharmaceutical Standing Committee of chemists' accounts for the fourth medical quarter of 1913. This related to 43,572 prescriptions, for which 1,514*l.* was claimed and 1,486*l.* 4*s.* 7*d.* was allowed. The number of prescriptions made up by doctors and surgical-instrument makers was sixteen, in respect of which a sum of 18*s.* 3*d.* had been allowed. The balances outstanding were ordered to be paid. Mr. Purkiss observed that the returns showed that some chemists had been allowed within 5 per cent. of the amount claimed, and some had not come within 10 per cent. of it. He asked for an explanation of these apparent irregularities. The Clerk explained that some were accounted for by prescriptions being included in the account which ought properly to come in the next quarter.

**Shropshire.**—The Insurance Committee were informed on April 25 that there was money in hand to meet all the chemists' accounts in full, and a substantial surplus for distribution among the panel doctors.

**West Bromwich.**—As expected, last quarter's accounts establish a record, 24,905 prescriptions being dispensed at a cost of 774*l.* 12*s.* 8*d.*, or an average of 7.46*d.* per prescription. The amount available for chemists' accounts is 550*l.*, so that chemists can only receive 70 per cent. of the amount due to them for last quarter. The amount of the accounts for the quarter ended January 11 was 534*l.* 19*s.* 3*d.* for 18,321 prescriptions. According to the Insurance Committee's Index Registers, there are 24,700 insured persons in West Bromwich, but they receive credits from the Insurance Commissioners for 22,000.

**Worcester.**—At a meeting of the Worcester Insurance Committee on April 28 the Chairman (Mr. R. R. Fairbairn) announced that the Pharmaceutical Committee had sent a resolution requesting that 90 per cent. of the chemists' accounts should be paid on delivery of the accounts. The Finance Sub-Committee were unable to agree with that suggestion, and he proposed that that Sub-Committee should have power to make such payments to the doctors and chemists as they might think fit on account of the quarter ended April 12. This was agreed to.

#### SCOTLAND.

**Pharmaceutical Committees.** We are indebted to the Commissioners for this list of Secretaries:

##### COUNTIES.

**ABERDEEN.**—John R. Reith, St. Devenick's Pharmacy, Cults.  
**ARGYLL.**—W. J. Jack, Apothecaries' Hall, Lochgilphead.  
**AYR.**—W. G. Boyd, 68 Portland Street, Kilmarnock.  
**BANFF.**—R. W. Garrow, chemist, Mid Street, Keith.  
**BERWICK.**—Wm. Elliot, chemist, Coldstream.  
**BUTE.**—George G. Hill, 64 Montague Street, Rothesay.  
**CAITHNESS.**—George Banks, 26 Bridge Street, Wick.  
**CLACKMANNAN AND KINROSS.**—Thos. Hetherington, chemist, Tullis country.  
**DUMFRIES.**—A. G. Laidlaw, 84 High Street, Lockerbie.  
**DUNBARTON.**—A. T. Campbell, 71 Bank Street, Alexandria.  
**ELGIN AND NAIRN.**—A. Robertson, 94 High Street, Elgin.  
**FIFE.**—C. Stewart, 231 High Street, Kirkcaldy.  
**FORFAR.**—G. Forbes Johnston, 154 Brook Street, Broughty Ferry.  
**HADDINGTON.**—W. P. Wilson, 36 High Street, Haddington.  
**INVERNESS.**—Robert Macdonald, 18 Church Street, Inverness.  
**KINCARDINE.**—Alfred Lyon Wood, 9 Market Square, Stonehaven.  
**KIRKCOUBRIGHT.**—John Barr, 187 King Street, Castle Douglas.  
**LANARK.**—J. A. Walls, The Pharmacy, 59 Main Street, Bothwell.  
**LANRITHGOW.**—Findlay Stuart, chemist, Burnburn.  
**MIDLOTHIAN.**—H. Dryer, The Pharmacy, Bonnyrigg.  
**ORKNEY.**—B. Heddle, Albert Street, Kirkwall.  
**PEEBLES.**—Wm. J. Sanderson, 43 High Street, Peebles.  
**PERTH.**—Thos. Harley, 29 High Street, Perth.  
**RENFREW.**—David Penman, 28 High Street, Johnstone.  
**ROSS AND CROMARTY.**—John F. Hunter, 8 High Street, Dingwall.  
**ROXBURGH.**—George Cairns, 12 Sandbed, Hawick.  
**SLEIKIRK.**—James Henry, 24 Bank Street, Galashie's.  
**STIRLING.**—Robert Marshall, chemist, South Bridge Street, Grange-month.  
**SUTHERLAND.**—J. Mennie, chemist, Golepie.  
**WIGTOWN.**—James Dunn, 64 Victoria Street, Newton-Stewart.  
**ZETLAND.**—Not yet intimated.

##### BURGHES.

**ABERDEEN.**—W. F. Hay, 476 Union Street, Aberdeen.  
**AIRDRIE.**—W. S. Culbert, 39 Stirling Street, Airdrie.  
**ARBROATH.**—F. W. M. Bennett, 238 High Street, Arbroath.  
**AYR.**—Martin McDrum, 7 Burns Statue Square, Ayr.  
**CLYDEBANK.**—John Weir, 3 Glasgow Road, Clydebank.  
**COATBRIDGE.**—G. Clark Wilson, 110 Bank Street, Coatbridge.  
**DUNBARTON.**—P. Mitchell, 8 Church Street, Dunbarton.  
**DUMFRIES AND MAXWELLTOWN.**—John Fraser, The City Pharmacy, 84 High Street, Dumfries.  
**DUNDEE.**—G. J. Lindsey, 111 Nethergate, Dundee.

**DUNFERMLINE.**—R. Robertson, Abbey Pharmacy, Moodie Street, Dunfermline.

**EDINBURGH.**—John Muir, 7 Crichton Place, Leith Walk, Edinburgh.

**FALKIRK.**—D. Dunnet, 82 Main Street, Bainsford, Falkirk.

**GLASGOW.**—G. S. Kitchin, 116 Nithdale Road, Pollokshields, Glasgow.

**GREENOCK.**—T. L. Sinclair, 86 Roxburgh Street, Greenock.

**HAMILTON.**—Balfour Reekie, 18 Brandon Street, Hamilton.

**INVERNESS.**—Robert Macdonald, 18 Church Street, Inverness.

**KILMARNOCK.**—W. G. Boyd, 68 Portland Street, Kilmarnock.

**KIRKCALDY.**—A. G. Adamson, West End, Kirkcaldy.

**LEITH.**—P. Nisbet, 3 Duke Street, Leith.

**MOTHERWELL.**—W. Morrison, 28 Brandon Street, Motherwell.

**PAISLEY.**—H. Stewart, 81 High Street, Paisley.

**PERTH.**—T. Harley, 29 High Street, Perth.

**RUTHERGLEN.**—Alex. McHarg, 198 Main Street, Rutherglen.

**STIRLING.**—John Walker, 67 King Street, Stirling.

**WISHAW.**—Hugh B. McMinn, 17 Main Street, Wishaw.

**Pharmaceutical Standing Committee.**—A meeting of the Committee was held at 36 York Place, Edinburgh, on April 22. Mr. J. P. Gilmour was unanimously elected Chairman, and Mr. Thomas Guthrie Vice-Chairman. Messrs. J. P. Gilmour, Guthrie, Kitchin, Lennox, McNab, and McVittae were appointed a sub-committee on Drug Tariff statistics and agreements. Messrs. Bell, Bennet, D. Gilmour, J. P. Gilmour, and Simpson were appointed a sub-committee on organisation and panels. Messrs. Cox, Forbes, Giles, J. P. Gilmour, Reekie, and Yule were appointed a sub-committee on finance, and it was agreed that a statement should be issued to the panel chemists with a view to securing funds for carrying on the work of the General Council of Panel Chemists and the Pharmaceutical Standing Committee (Scotland). The report and remits from the General Council of Panel Chemists were then considered and remitted to the respective Sub-Committee to be dealt with. It was agreed that the Sub-Committee on the Drug Tariff should press forward the work of revising the Tariff and seeking to obtain an early settlement with the Insurance Commissioners. The remit from the General Council of Panel Chemists regarding the prescribing of proprietary medicines was considered, and it was agreed that the policy of each Pharmaceutical Committee taking up the matter in its own area and drawing up a list in conference with the Panel Committee for the approval of the Insurance Committee should be adhered to, rather than that the Standing Committee should attempt to draw up a list of articles. It was remitted to the Drug Tariff Sub-Committee to deal with matters relating to the checking and pricing of prescriptions and statistics and evidence. The Finance Sub-Committee was instructed to deal with questions relating to the expenses of Pharmaceutical Committees, the Organisation Sub-Committee to deal with questions relating to the revision of panel lists, also proposals for uniting Insurance areas for particular purposes.

**Aberdeen.**—We reported last week the result of the conference between representatives of the Burgh Insurance Committee and of the Panel and Pharmaceutical Committees. Mr. Johnston's appointment as checker was the recommendation of that conference, but only the past quarter's prescriptions (January-April) are to be checked meanwhile. At the meeting of the Committee on April 22, Mr. George Bisset, referring to the chemists' remuneration, said they were in a worse position than the doctors. For the first three quarters of last year they had had 5 per cent. deducted, in the fourth quarter 25 per cent., and the Clerk informed him that, as far as could be judged, the Committee will only be able to pay about 58 per cent. of the accounts due this quarter. He thought it was a great pity the Commissioners had not given their consent to have this matter looked into by a prescription-supervisor at the outset. The Chairman said the question of doctors and chemists was similar, and would be embodied in the reports. A request from a chemist in the outskirts of the city, to be allowed an extra fee for medicines dispensed after 9 p.m., was declined. With the cheques for payment of chemists' accounts was sent a statement of the position as regards the Drug Fund. This shows that the total amount provisionally credited to the Drug Fund for the year ending April 11 is 5,995*l.* 6*s.*, while the accounts received or estimated amount to 7,503*l.* 11*s.* 2*d.* There has been paid out 5,991*l.* 6*s.* 11*d.*, the amount of 1,508*l.* 4*s.* 11*d.* having been deducted, leaving a balance of 3*l.* 19*s.* 4*d.* The total deductions amount to slightly over 29 per cent.—A meeting of chemists is to be held to enter a protest against the deductions.

**Aberdeenshire.**—A meeting of the Medical Benefit Sub-Committee of the County Insurance Committee was held in Aberdeen on Friday, April 24. Major Reiaeh (Chairman) stated that the Pharmaceutical Committee had asked to send representatives to the meeting to support their views expressed in a communication which had been lodged by them as to the question of dispensing in rural areas, and he had thought it wise to invite the Secretary of the Panel Committee (Dr. Bruce, Cults) to attend also. The list of



doctors in the county who claimed dispensing numbered fourteen, and the Pharmaceutical Committee had classified this list thus: (A) Those who may dispense on capitation terms; (B) those who may dispense on condition that they render accounts in accordance with Tariff prices; and (C) those who may not dispense other than emergency drugs. Reasons were submitted why this should be adopted. Messrs. Reith and Simpson, who represented the Pharmaceutical Committee, supported these contentions, and answered the criticisms of the Panel Committee, which had declared that if chemists pressed the point under Class B the doctors would stop dispensing altogether, which would be a distinct hardship to insured persons. To this the Pharmaceutical Committee's representatives replied that if that were so, it was patent that some other interest than that of the insured persons prompted these practitioners claiming the dispensing at the capitation rate. After a long and rather animated discussion between the Pharmaceutical and Panel representatives, Major Reich thanked the Pharmaceutical and Panel representatives for attending, whereupon they withdrew. It is understood that the Sub-Committee ultimately resolved to restrict the dispensing to those medical men under Class (A) and Class (B). As Class (C) comprises the names of certain practitioners whose residences are close to chemists' shops, these medical men are now to be debarred from claiming dispensing for patients over the mile limit, one medical man only being allowed to dispense at capitation rates for certain insured persons who are nearer to his dispensary in a remote district than they are to the nearest chemist's shop.

**Dumfriesshire.**—Some discussion took place at the meeting of the Stewartry Insurance Committee in regard to the quality of lint supplied. It arose on the checking of chemists' accounts, a case in the neighbourhood of Kirkcudbright being mentioned where a chemist found that the lint scheduled was not so suitable as a certain other, which he used. It was the same price, and he did not see why it should be refused. The Chairman said he thought the account should have been passed seeing it was not going to cost more. Dr. Welsh pointed out that it was not a question of one wool being the same price as another. A hard-and-fast rule was laid down. It would be letting in the thin end of the wedge, and it might mean that doctors would start and prescribe everything that was best irrespective of price. It was agreed to pass the account, and, in answer to Mr. Walker, the Chairman said the chemists' committee should continue to act according to the instructions they had received and the list laid down.

**Edinburgh.**—At a meeting of the Burgh Insurance Committee on April 23 the question of future arrangements for checking chemists' prescriptions was reported on, a conference of representatives of the Committee and Panel and Pharmaceutical Committees having taken place. It was also reported that the Insurance Commissioners are prepared to approve the Insurance Committee's suggestion that the expenses of checking might be met in equal proportions by the three Committees, but representatives of the Panel and Pharmaceutical Committees said their Committees had decided not to contribute to the expense of checking prescriptions. It was then moved that the Committee dispense with the services of Mr. C. F. Henry and cease checking the prices of prescriptions, leaving the accounts of chemists to be checked, as formerly, by the clerical staff. An amendment that the Clerk be instructed to send to the Panel and Pharmaceutical Committees a copy of the Insurance Commissioners' letter, and to ask their reconsideration of the matter in view of the Commissioners' decision, was ultimately carried by six to five. Reports on the checking of prescriptions were contained in the minutes. During the year from January 1913 to January 1914, 150,165 forms in all were dispensed at an average cost of 10½d. per form. Every insured person on the panel had on an average one and a third prescription-form written for him at an average cost of 1s. 2d. per annum. The Drug Fund for the year amounted to 6,374l. 11s. 6½d., which would be sufficient to meet all claims. It was resolved that proprietary articles ordered as medicine should not be paid for, and that chemists should again be instructed to refuse to dispense "Repeat" prescriptions. Mr. C. F. Henry reported that as many as 25 per cent. of the forms of one panel doctor had the words "Repeat Mixturo" written on them. Mr. Henry pointed out the objections to these. In the report for February he stated that the use of secret formulæ had not hitherto been observed within the Edinburgh area, but he had been unable to check the prices charged for thirteen forms for "ung. lini co." and one for "elixir antifebrin." If these were private formulæ their issue as such was contrary to the Act, as other chemists could not dispense them. It was resolved to communicate with the doctor and chemist concerned, and to intimate the case to the Panel Committee. In the case of the prescribing and dispensing of Parke, Davis

& Co.'s cod-liver emulsion it was resolved that this be disallowed. The request of the Pharmaceutical Committee that the monthly proportion of payments to chemists be raised to 90 per cent. was agreed to. A list of stock vaccines which, in the opinion of the Panel Committee, are permissible to be used by practitioners in treatment of insured persons, was remitted back to that Committee for further consideration. Letters were submitted from the Secretaries of the Panel and Pharmaceutical Committees intimating that their Committees had mutually agreed to ask the Insurance Committee to allot to each of them for administration expenses for the current year the sum of one farthing per insured person. It was decided to pay to panel chemists the balance remaining in the Drug Fund for the past medical year as an additional *pro rata* retrospective payment on the amount of the accounts. It was stated that chemists had made representation that the penny per head of the insured persons in Edinburgh, which it was thought necessary to carry forward to the credit of the Drug Fund in case of emergency, appeared to them to be more than ample for the purpose. It was now suggested that that amount be reduced to one-half, and that the remaining halfpenny be paid as part of the bonus to chemists on the panel. It was agreed that, subject to the approval of the Commissioners, the sum of one halfpenny per insured person be carried forward to the credit of the Drug Fund for the year 1914. The Insurance Committee expect next week to receive from the Insurance Commissioners a statement as to the state of the Drug Fund, and the chemists will then receive the balance of their accounts. It is expected that a larger bonus will be paid than chemists had counted on.

**Fife.**—All chemists in the county of Fife have now received the balance of their Insurance dispensing accounts for the past year—10 per cent.

**Midlothian.**—The Panel Committee on April 9 decided to recommend that practitioners in certain specified districts be allowed to dispense on a capitation basis. They informed the Medical Benefit Sub-Committee that the Panel Committee maintained that the practitioners received scant consideration from the Commissioners, and was strongly of opinion that in the whole matter the rights or supposed rights of chemists were being considered and enforced without any regard being paid to the views of medical practitioners, and even without consultation with them. The Committee protested against any such one-sided treatment, and pointed to the distribution of surplus drug funds among chemists as being a demonstration of the tendency to treat the chemist to a capitation-fee without calling it such. In rural areas there was a point at which the insured patient was better served when the medical practitioner dispensed, and that point could only be determined by a knowledge of each practice and its requirements. It was only fair that an arrangement should be made which would not entail the hardship on the practitioner of rendering accounts. If dispensing by the practitioner was the best course for some of that practitioner's insured patients, it was not possible to treat the matter in other than a broad manner. The only possible working plan was to confer on the practitioner, where his practice made it necessary or advisable, the privilege of dispensing for districts so long as these could be tolerably well defined. It will be noted (*C. & D.*, April 25, p. 138) that the medical men gained their point.

#### WALES.

**Last Day for Rendering Accounts.**—May 15 is the last day for sending in accounts to Insurance Committees in Wales and Monmouthshire in respect of drugs and appliances supplied during the year ended January 11, 1914. This intimation is given in Memo. 191/1C (Wales), which follows the lines of the English circular, noted in our issue of March 28 (p. 69).

**Merthyr.**—At the monthly meeting of the Merthyr Insurance Committee the Pharmaceutical Sub-Committee reported that only 87½ per cent. of the amounts due for drugs and appliances for the year ended January last had been paid. Chemists' accounts for the last quarter were: D. W. Evans (67l. 15s. 4d.); E. J. Harries (38l. 11s.); R. P. Rees (51l. 14s. 7d.); J. Roberts (59l. 17s. 10d.); R. R. Davis (10l. 0s. 9d.); Miss Harris (9l. 10s. 3d.); J. Francis (29l. 3s. 7d.); T. Jenkins (51l. 19s. 7d.); H. M. Lloyd (26l. 6s. 4d.); V. A. Wills (59l. 4s. 1d.); W. H. Evans (72l. 12s. 1d.); Pearson, Cash Chemists (83l. 12s. 3d.); T. Thomas, Treharris (59l. 1s.); W. G. Williams (2l. 0s. 1d.); Dr. Rice (27l. 10s.); Dr. Ward (15s. 7d.); a total of 649l. 14s. 4d., not including Messrs. Boots' account, which had not yet come in. It was stated that the income from the Drug Fund was about 620l. per quarter, and that the total bills would amount to 900l. The Sub-Committee hoped the demands would not be so heavy next quarter.



## FESTIVITIES.

### Dinner to Mr. Harold Miller.

THE Ucal Lodge of Pharmacy on April 23 gave a complimentary dinner to Mr. Harold Miller, of Cheltenham, the founder of the Ucal system of co-operative manufacture of proprietary articles and managing director of the United



MR. H. MILLER.

Chemists' Association, Ltd. The dinner was held at the London Tavern, Fenchurch Street, London, E.C. Mr. C. W. Brumwell, Ph.C. (President of the Lodge), was in the chair, and he was supported at the head table by Mrs. Brumwell, Mr. and Mrs. Harold Miller (Cheltenham), Mr. W. Browne (Finchley Road, N.W.), Mr. and Mrs. H. Raithby Procter (Hammer-smith), Mr. Herbert Stroud (Cheltenham), Mr. and Mrs. F. Cherry (Walton-on-Thames), Mr. and Mrs. J. Gilbert Jackson (Sheffield), Mr. C. C. H. Cadge (Bingham), Mr. A. E. Bolshaw (Hastings), and others. The company altogether numbered over a hundred; among those we noted as being present were Mr. L. Bayley (Muswell Hill, N.), Mr. and Mrs. A. W. Bromley (Whetstone), Mr. Dan. Davies (Brixton), Mr. and Mrs. J. Wellesley Douglas (Lambeth), Mr. G. W. Evans (Hammersmith), Mr. J. E. Evans (Stratford), Mr. J. Hearle (Liverpool Road, N.), Mr. and Mrs. C. W. Matthews (Kentish Town), Mr. Edward Miller (Victoria Dock), Mr. and Mrs. J. G. B. Noble (Islington), Mr. J. W. Royle (Ingram & Royle, Ltd.), Mr. and Mrs. Herbert Skinner (Holloway), and Mr. and Mrs. Hugo Wolff (Tottenham). After dinner and the loyal toast, the Chairman introduced the toast of "Our Guest" in a witty and appreciative speech, and was followed by Mr. Hearle, who, in the course of his speech, said that the members of the Council of the Pharmaceutical Society are not so closely connected with commercial pharmacy as they should be, and he commended to those present the two candidates (Mr. Brumwell and Mr. Skinner) who were present. He traced the Ucal idea from meetings in Manchester in 1901 and in 1909. As the tenth-century Harold gradually brought all England under his sway, so Harold Miller and his co-directors are bringing gradually under their sway not only all England, but Scotland, Wales, Ireland, and the Colonies. Mr. Miller, who on rising was received with great applause, said his idea, as long as he could remember, was "never buy what you can make," a lesson which his apprentice-master in Grantham impressed upon him years ago. A brief experience in multiple-shop trade opened his eyes to the possibilities of the drug-trade, especially when he realised that half the takings were in own proprietaries. After that he went into business, but could get no opening for his idea, although his convictions that it was the right policy grew more pronounced. Then he sold his business, and tried to organise chemists; but, meeting with but little success, went into a partnership in the wholesale. Here he lost all his capital within twelve months, and went back to the retail. He bought some businesses at Cheltenham which had been allowed to go down, and he succeeded in improving them within a short time. A correspondence in THE CHEMIST AND DRUGGIST in 1909 brought his favourite idea to the front again, and resulted in a meeting being held in Manchester on Good Friday that year. The Association was soon afterwards formed, and has grown gradually ever since. Referring then to the Pharmaceutical Council election, he said there could not be a better candidate than Mr. Brumwell, who knows the drug-trade from A to Z. Mr. Skinner, too, would be an ideal representative of public dispensers who hold strongly to the necessity

of the pharmaceutical qualification for dispensers. Mr. E. Miller next proposed "The Ladies," and this was replied to by Mrs. Brumwell in a pleasant little speech. Mr. F. Cherry proposed "Local Associations," and Mr. W. Browne replied, and combated the suggestion that the Pharmaceutical Council is not representative of retail pharmacy. Mr. G. W. Evans proposed the toast of "The Visitors," and Mr. H. Skinner, in replying, said he had been living in an atmosphere of Ucal, so strongly had the idea been taken up in North London. Mr. H. Stroud (solicitor to the Association) referred to the commercialising of the Cheltenham waters, with which he has been associated with Mr. Miller. "The Lodge" was proposed by Mr. J. Noble, and the President replied. The last toast was "The Musical Director," this being Mr. J. Wellesley Douglas, who with his wife and other artistes contributed to the evening's enjoyment. Miss Parker's recitations were among the items that deserve special mention.

### Whist-drives.

THE annual whist-drive of the Bournemouth Pharmaceutical Association was held on April 22. There were ninety-eight persons present. The prizes were won as follows: *Ladies*—Miss Wallis, Miss Clarke, Mrs. F. S. Mate, Mrs. Freshwater, and Miss Jones; *Gentlemen*—Mr. Hollis, Mr. Hornby, sen., Mrs. Darville, and Mrs. Jameson. The prizes were distributed by Mrs. F. E. Bilson, to whom a vote of thanks was given. The duties of M.C. were carried out by the Hon. Secretary (Mr. J. H. Scampton), assisted by Messrs. Worth and Bingham.

### A Visit to Kew.

THE members of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists had an enjoyable outing on April 16, twenty-two members and their friends visiting Kew Gardens. A stroll through the gardens, which are delightfully pleasing just now, with the beauty of springtime, brought the party to the river; walking along the bank, they arrived at Richmond, where tea was taken. Some had to return early, but the remainder of the party lingered about the park, and enjoyed the celebrated view of the Thames Valley from Richmond Hill. Group photographs were taken by Mr. Ward.

### Concert.

THE sixteenth annual Bohemian concert of the Public Pharmacists' and Dispensers' Association was held at Anderton's Hotel, Fleet Street, London, E.C., on April 29. There was a good attendance of ladies and gentlemen under the chairmanship of Mr. Jas. Hassall France, supported by Mr. T. H. W. Idris, Mr. R. Welford, Mr. G. W. Gibson, and



THE UCAL DINERS

others. The programme was well received, and consisted of vocal and instrumental musical items. During the evening Mr. Idris (President of the Association) spoke a few words on the progress of the Association, in which he takes a deep interest. He referred to the technical lectures, making special mention of the x-ray demonstration which was held at the house of the Pharmaceutical Society. He was especially glad to see so many medical men present, as it showed a spirit of respect between the two professions of medicine and pharmacy. These remarks were well received,



as was also the toast of "The Chairman," which Mr. Welford proposed. Altogether the evening was quite as successful as any of its many predecessors, and that is giving it the highest praise.

### Dinners.

TAKING advantage of the district meeting of the Pharmaceutical Society, the Norwich Association held its annual dinner at the Royal Hotel on April 23. Mr. A. S. Campkin and Mr. Moreton Parry were the guests of the evening, and the Chairman (Mr. Percy Robinson) was supported by the President and Secretary of the Great Yarmouth Association (Mr. Richmond and Mr. Shearman). Mr. Campkin and Mr. Parry replied to the toast of "The Pharmaceutical Society," and the toast of "The Norwich Pharmaceutical Association" was acknowledged by Messrs. Robinson, Maynard, and Lacey. Mr. J. de Carle Smith proposed the toast of "The Visitors," which was responded to by Mr. Richmond. "Success to Pharmacy" was optimistically proposed by Mr. Collin and Mr. Weller (Long Stratton) and Mr. H. Bridges suitably replied. A collection was made for the Benevolent Fund, and music was supplied by local talent.

THE second annual dinner of the South-West London Pharmacists' Association took place at the Restaurant Frascati, Oxford Street, London, W., on April 29. Mr. John Keall (President) and Mrs. Keall received the members and guests.

There were just over two hundred ladies and gentlemen present. The President was supported by Dr. Lauriston Shaw, Dr. H. H. Mills, Mr. and Mrs. W. J. Uglov Woolcock, Mr. and Mrs. G. E. King, Mr. and Mrs. J. T. Humphrey, the Rev. Geo. Jepson, Mr. and Mrs. T. Batey, Mr. and Mrs. E. S. Waring, Dr. and Mrs. Welpy, Dr. and Mrs. Revell, Dr. Grendon Roe, Mr. A. J. Chater, and Mr. R. B. Bennett. The Chairmen of the spur-tables were Mr. A. E. Atkins, Mr. Ernest Sanger, Mr. A. J. Rickford, Mr. C. W. Martin, Mr. A. R. Arrow-smith, Mr. W. E. Mason, and Mr. A. P. Evans. Among the others present were Mr. and Mrs. F. W. Ashton, Mr. Proctor Atkinson, Mr. and Mrs. F. Bailey, Mr. Chas. Brooks, Mr. and Mrs. W. Browne, Mr. C. W. Bramwell, Mr. and Mrs. S. Carr, Mr. Lionel Cooper, Mr. R. E. Dixon, Mr. F. M. Fitzgerald, Mr. and Mrs. W. H. Gov, Mr. A. W. Killick, Mr. J. R. Royle, Mr. A. Latreille, Mr. R. Lownsbrough, Mr. and Mrs. J. D. Marshall, Mr. Harry Martin, Mr. S. J. Massey, Mr. and Mrs. A. R. Melhuish, Mr. and Mrs. A. R. Nash, Mr. and Mrs. C. S.



MR. JOHN KEALL

was born in 1875 and apprenticed to his father, Holmes Keall, of Elgin Avenue, Maida Vale. He was afterwards assistant with Philip Vincent, Walham Green, J. G. Gould & Co., Oxford Street, Fredk. Boxall, Cricklewood, Hancock & Co., Fleet Street, and H. Lamplough, Ltd., Strand. Qualified in 1898, and in January 1900 purchased the business of Mr. D. H. Williams, West Hill, Wandsworth, which he still carries on. He is the first President of the S.W. London Pharmacists' Association and Chairman of the London Pharmaceutical Committee.

Present, Mr. and Mrs. H. S. Rutherglen, Mr. and Mrs. H. Skinner, Mr. and Mrs. H. F. Smith, Mr. and Mrs. G. A. Tocher, Mr. and Mrs. C. D. Williamson, and Mr. and Mrs. Hugo Wolff. After dinner and the loyal toast, the President proposed the toast of "The Pharmaceutical Society," which was not replied to owing to the absence of Mr. Edmund White (President of the Pharmaceutical Society) through bereavement. Mr. W. J. Uglov Woolcock proposed the toast of "The Medical Profession," and had some interesting information to make regarding the origin of the art and mystery of medicine. He confessed that a favourite book with him is Wootton's "Chronicles of Pharmacy," which to him is so entrancing that he dare not take it to bed with him, or he would continue reading it instead of going to sleep. He added that efficient organisation of both doctors and pharmacists is the most effective way of bringing about the end of the struggles between the two bodies which have existed from time immemorial. Dr. Lauriston Shaw, in a humorous reply, referred to the therapeutic effects of a good dinner and entertainment. Mr. W. H. Goy proposed the next toast, "The London Insurance Committee," and confessed that some of the blame for the delay in settling chemists' accounts rests with chemists themselves, who in some cases

are very dilatory in submitting their accounts. Chemists have received within the previous twenty-four hours payments equal to 90 per cent. of last quarter's accounts. Mr. T. Batey, in reply, said that his friends tell him he has aged much within the last two years, and he thought that is because he and his staff have attempted to do ten years' work in two years. He said, however, that the work is not without its humorous side, and gave some amusing anecdotes from his experience. He also made the announcement that on the provisional figures it is fairly certain that the Drug Fund will be sufficient to meet all demands for last year, with the probability of a surplus of about 3,000/. He asked chemists to assist the Committee by sending in their accounts promptly, and foreshadowed the regular payment of accounts monthly when the new Sub-Committee on drugs and appliances is in working order. Dr. H. H. Mills proposed the toast of "The Association," to which the President replied. The last toast, "The Visitors," was by Mr. E. A. Atkins (Hon. Secretary of the Association), and to this Mr. E. S. Waring (director of Boots, Ltd.) replied, his speech being anecdotal. During the evening a collection was made for the Benevolent Fund, which produced 6/. 16s. 4d. There were good musical items in the intervals between the speeches.

## ASSOCIATION AFFAIRS.

**C.T.C.A.**—The annual meeting of the Commercial Travelers' Christian Association was held at the Y.M.C.A., Tottenham Court Road, London, on April 25. Delegates from the various branches in England, Scotland, and Ireland attended, as well as from Germany and the United States and Canada, where there are similar Associations. Mr. Chas. M. Smith (of Detroit, Mich.), formerly a representative of a leading drug-house there, was the delegate from this Association. The Birmingham branch was represented by Mr. Edward Ward (Cadbury Bros.), an ex-President, and Mr. W. Bousfield (G. F. Sutton, Sons & Co., London), Chairman of the local branch. At the morning session two papers were read by two members of the parent Association, Mr. R. Duncan (late of Birmingham) and Mr. G. Thompson, on "Commercial Practice and Christian Principle," which, with the discussion that followed, are the beginning of what is hoped will be a succession of larger and more public meetings of business men and others on the subject. The first meeting of the series may be held in Birmingham soon. The evening meeting was presided over by the President (Sir C. Ernest Tritton, Bart.), who gave a most inspiring address.

**East Riding (Yorks).**—A meeting was held at Driffield on April 23 for the purpose of inaugurating the East Riding Pharmacists' Association. Mr. J. V. Mainprize was elected first *President* and Mr. P. Hawkins *Secretary*. After correspondence had been dealt with, the rules drawn up by the Committee were read and approved with little alteration. It was decided to recommend the District Associations to contribute to the Pharmaceutical Parliamentary Fund. It was reported that the balance in full of chemists' accounts with the Insurance Committee for the past year was paid this week.

**Essex (S.E.).**—A meeting of the S.E. Essex Association of Pharmacists was held at Hotel Victoria, Southend, on April 23, Mr. J. H. Heywood, J.P. (President), in the chair. An innovation which proved very successful was that songs were given by members during the evening. Messrs. Hamilton, Mr. Pettinger, and Mr. Page being the singers. Business was chiefly of a routine character. The summer outing, consisting of a motor-trip to Epping, was provisionally settled upon for June 16. A lantern-lecture was promised for next meeting by Mr. C. Goode and Mr. Godolphin.

**Exeter.**—At a meeting of the Exeter Association of Pharmacists on April 24, a vote of sympathy was passed with the President of the Pharmaceutical Society on the death of his youngest son. The Secretary (Mr. F. W. Vinden) introduced the question of the *Pharmaceutical Parliamentary Fund*. Mr. P. F. Rowsell explained the views on the matter of the Pharmaceutical Council. Mr. Wippell Gadd thought the Pharmaceutical Council is dealing with the question in the wrong way, which is evident, he said, by the small amount of support it has received up to the present. While recognising the valuable work of their present representative, he thought it should be distinctly understood that the money now subscribed should be equally divided in supporting candidates representing the two great political parties. Mr. Rowsell said there is a great feeling on the part of the Council that they should have a Unionist representative in the House, and every effort is being made towards securing that representation. In his opinion the



fund was going on exceedingly well. Mr. Milton moved a resolution supporting the fund, and Mr. Wippell Gadd moved an amendment to the effect that the amount sent up should be earmarked for a fund for supporting two candidates representing the two great political parties. The resolution was, however, carried. It was decided to support the re-election of the present members of the Pharmaceutical Council, and to take special steps to ensure the re-election of Mr. Rowsell.

**Glasgow.**—The annual meeting of the Glasgow and West of Scotland Chemists' Association was held in the Regent Tea-rooms, Glasgow, on Thursday, April 23, at 9 p.m. Mr. J. H. Hart (President) is now in business at Ross, Herefordshire, but he travelled north in order to preside at the meeting, and had a hearty welcome. The Secretary (Mr. Shiach Kitchin) read a report of the work of the last session, which was unanimously adopted. The Treasurer read a financial statement, which showed a credit balance of 45l. 17s. 3d. On the motion of Mr. W. L. Currie, seconded by Mr. Alex. Laing, the report was adopted. Mr. Hart expressed the pleasure he had had in presiding over the work of the Association, and congratulated Glasgow on the possession of a really live organisation, with enormous possibilities in many directions. Before vacating the chair he proposed that Mr. A. McMillan be appointed President. Mr. McVitie seconded, and the motion was carried. Mr. McMillan then took the chair, and returned thanks. Mr. Currie proposed a very hearty vote of thanks to the retiring President, expressing high appreciation of the great services which Mr. Hart had rendered. This Mr. Laing seconded, and Mr. Hart replied. The following are the other office-bearers appointed: *Vice-Presidents*, Mr. J. P. Gilmour and Mr. J. H. Riddell; *Secretary*, Mr. G. S. Kitchin; *Treasurer*, Mr. W. J. Moffat; *Librarian*, Mr. M. M. Irvine; *Council*, Messrs. H. P. Arthur, J. E. Black, W. R. Craig, W. L. Currie, Wm. Gardner, Thos. Guthrie, R. Inglis, Jas. Lennox, T. G. Lawrence, M. Meldrum, A. Murray, D. McNay, J. B. McVitie, B. Reekie, and W. Seivwright; *Auditors*, Messrs. W. S. Galbraith and James Crombie. The new President suggested that it would be a graceful thing to appoint Mr. R. Brodie and Mr. W. S. Galbraith, J.P., as Hon. Members of the Association, in consideration of their long services to the craft and the fact that both had now retired from active business. This was done on the formal motion of Mr. Currie, seconded by Mr. Gilmour. Mr. Mackay suggested some further recognition in the case of Mr. Brodie, and the matter was remitted to the Council. Mr. J. H. Hart was also elected an Hon. Member of the Association. Votes of thanks followed, and two guineas was voted to the Pharmaceutical Benevolent Fund.

**Ilkeston.**—A meeting of the Ilkeston Pharmacists' Association was held at the Rutland Hotel, Ilkeston, on April 22. Mr. W. Taylor (President) in the chair. The Secretary gave a *résumé* of the work of the Pharmaceutical Committee, and spoke on Insurance matters. The following officers were elected: *President*, Mr. W. Taylor; *Vice-President*, Mr. Jackson; *Treasurer*, Mr. Gebsthorpe; *Secretary*, Mr. C. W. Ridyard; *Assistant Secretary*, Mr. F. J. Hitchcock. Mr. Ridyard wished to retire from the secretaryship on account of his numerous duties. Eventually Mr. Hitchcock was elected Assistant Secretary, and to act as his deputy on the occasions when Mr. Ridyard is unable to be present. The question of a subscription to the *Pharmaceutical Parliamentary Fund* was discussed, and it was decided to refer the matter to the Executive Committee of the County Association, a levy of 10s. 6d. per member being suggested. It was decided to reduce the subscription from 5s. to 2s. 6d. per annum.

**Keighley.**—The annual meeting of the Keighley Chemists' Association was held at the Devonshire Hotel on April 22. Mr. Frank Gill (President) in the chair. A balance-sheet showing a satisfactory financial position was presented by the Hon. Secretary (Mr. H. D. West). The President gave a short account of the year's proceedings, and commented upon the contrast between the past year's calm and quietness and the particular anxiety and hard work of the previous year consequent upon the introduction of the National Insurance Act. In appealing for more combination among chemists, the President said a great object to be kept in view is to bring about a reduction in hours of duty for individuals. In this connection he suggested amalgamations of businesses near to each other, so that instead of all the individuals having to work late hours the duty might be divided into "shifts," and yet a responsible head be left in charge of the shops. The Secretary thought the idea a good one. One difficulty, however, would be that there would be no guarantee that the shops closed by such amalgamations would cease to be chemists' shops. Other people might open the shops in competition. The President said the local chemists might all combine in one company, and

carry on the various shops as branches. Mr. T. A. C. Butterfield approved the suggestions put forward, and Mr. E. C. Carr hoped the President would develop the ideas in the form of a paper, to be read and discussed at some future meeting. The President then drew attention to the matter of window-dressing. He had often noticed, both in Keighley and in other towns, that chemists' windows are not as attractively dressed as those of other trades, and he thought combined action might result in an improvement in that respect. It might be possible for the Association to arrange, in conjunction with some other Chemists' Association to employ a professional window-dresser to visit chemists' shops periodically to dress the windows. The suggestion was discussed approvingly. The meeting then elected officers for the coming year as follows: *President*, Mr. W. H. Moulden, of Bingley; *Vice-President*, Mr. J. W. R. Bracewell; *Secretary*, Mr. W. Foulds; *Committee*, Messrs. Frank Gill, E. C. Carr, T. A. C. Butterfield, and W. Ecroyd. It was decided to contribute a guinea to the Pharmaceutical Parliamentary Fund, and to recommend members to contribute individually.

**Leeds.**—A meeting of the Leeds Chemists' Association was held on April 29 at the Grand Central Hotel, Leeds. The President (Mr. G. W. Overend) occupied the chair, and there was a large attendance. An address on current topics was delivered by Mr. F. Pilkington Sargeant. Mr. Sargeant said the Insurance Act has so altered the relationships of the medical and pharmaceutical professions and their mutual responsibilities, that it seemed as though presently it would be quite in opposition to the ethics of any medical man to dispense medicine except under necessity, and that it would also be entirely opposed to the ethics governing pharmaceutical practice that any pharmacists should prescribe. In such case the trust existing mutually between practitioner and pharmacist would be increased, and the general public would have a much greater faith in both, and self-treatment by patent medicines would to a large extent cease. Discussion took place on some of the points of general and local interest. Many members gave expression to complaints of delay in payment of drug accounts in Leeds, particularly in relation to the last quarter's accounts; and resolutions were passed for presentation to the local Insurance Committee asking for early payment of the last quarter's bills, and urging that future payments should be monthly instead of quarterly. Upon consideration of the claims of the candidates for the Pharmaceutical Council, it was decided to recommend the members to vote for Messrs. Bilson, Harrington, Rymer Young, and Rowsell. It was resolved to form a Sports Club in connection with the Association, and a committee was formed for the purpose.

**Norwich.**—The district meeting of the Pharmaceutical Society for the Eastern Counties was held at Norwich on April 23. The Pharmaceutical Society was represented by Mr. A. S. Campkin (Vice-President) and Mr. Moreton Parry (Liverpool). Mr. W. J. Ugrow Woolcock was unable to be present, as he had been summoned to Lancashire to help to elucidate the more pressing problem of the financial shortage in that district. Owing to a previous engagement, Mr. A. S. Campkin was unable to open the meeting, and the chair was temporarily filled by Mr. Percy Robinson. There was a good attendance. Mr. Parry gave an able and interesting address on the work of the Pharmaceutical Council. He claimed the support of pharmacists for the work done in the past, its fight to maintain to the full the benefits of the 1868 Act, and the more recent successful efforts to obtain the dispensing under the National Insurance Act. The needs for further direct Parliamentary representation were pressed upon the meeting. Mr. Campkin afterwards spoke. A resolution of support was passed unanimously, and the speakers received votes of thanks.

**Society of Chemical Industry.**—At the annual meeting of the Yorkshire Section, held at the Queen's Hotel, Leeds, on April 27, the Chairman (Mr. Geo. Ward, Ph.C., F.C.S.) presiding, the following officers were elected: *Chairman*, Mr. F. W. Richardson, F.I.C.; *Vice-Chairman*, Professor J. W. Cobb, B.Sc., F.I.C.; *Treasurer and Hon. Secretary*, Mr. Thomas Fairley, F.I.C., F.C.S. Messrs. A. M. Auty, G. Ward, J. Evans, and J. R. Smith were elected on the Committee. Mr. Richardson read a paper on the use of the refractometer in analysis, showing the advantages of the specific-gravity method, so far as delicacy and accuracy are concerned, over and above the refractive process, when sufficient quantities of the mineral are available. For minute quantities he held the refractometer method to be supreme.

**Torquay.**—The annual meeting of the Torquay Pharmacists' Association was held at the Northcote Hall, Torquay, on April 23. Mr. J. Taylor in the chair. The Secretary gave a short report upon the year's work. The membership is very satisfactory, as out of thirty-one persons in the



district eligible for membership twenty-nine are members. The Treasurer (Mr. T. W. Dunsford) produced a balance-sheet showing a balance in favour of the Association. The following officers were re-elected and thanked for their services during the past year: *President*, Mr. J. Taylor; *Vice-President*, Mr. F. Sarson; *Treasurer*, Mr. T. W. Dunsford; *Hon. Secretary*, Mr. A. J. Ventham; *Committee*, Messrs. J. P. Swaffin (Brixham), G. Hellens (Toines), and N. V. Stow (Newton Abbot). It was decided to send a contribution from the Association to the County Pharmaceutical Committee, but regarding the question of subscribing to the Pharmaceutical Parliamentary Fund it was decided that that was a matter for individual action, and not for the Association as a body.

**Wolverhampton.**—A meeting of the Wolverhampton Chemists' Association was held on April 22, when Mr. E. E. Hall presided, and was supported by fourteen members. The secretary opened a discussion on the *Assistants to Chemists and Druggists (Qualification) Bill*. The trend of opinion was that the Bill could be easily done without.

## PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. T. CARTER, Ph.C., was unanimously elected People's Warden for the third time at the last vestry meeting of St. Paul's Church, Chester.

MR. GEORGE STEVENS, pharmacist, Bebington Road, Birkenhead, was reappointed Vicar's Warden at the Easter Vestry of the parish church of St. Catherine's, Higher Tranmere.

MR. H. J. HALL, proprietor of Hall's Wine, and Mrs. Hall were visited by General Sir Ian Hamilton and his Staff at Tatchilla Vineyard, McLaren Vale, South Australia, on March 22. After luncheon the party motored round the estate.

MR. HENRY M. ASHTON, chemist, 63 Sankey Street, Warrington, took part in the Shakespearean commemoration by the local Amateur Theatrical Society last week. He appeared as Dogberry in "Much Ado About Nothing," and as Doctor Caius in "The Merry Wives of Windsor."

MR. JAMES MACKENZIE, F.S.A.S., chemist, Edinburgh, has published this week the "Life and Complete Works of Michael Bruce, Poet of Loch Leven." It is a handsome book of nearly 400 octavo pages. Mr. Mackenzie is the acknowledged authority on the subject.

THE CANDIDATES for the Pharmaceutical Council who are appealing to members of the Pharmaceutical Society through advertisements in our Coloured Supplement are Mr. C. W. Brumwell, Mr. F. E. Bilson, and Mr. Daniel Arnott. The appeal on behalf of Mr. Bilson is made by six South of England Pharmacists' Associations.

MR. T. C. LAMB, J.P., Ph.C., Chatham, and Mrs. Lamb on April 27 celebrated their golden wedding. Mr. Lamb, who has retired from business, has filled many public offices, including that of Councillor and Mayor of Chatham and a Guardian of the Medway Union, and both he and Mrs. Lamb are held in the highest esteem by their fellow-townfolk.

THE CZAR OF RUSSIA has paid a signal tribute to Sir Joseph Beecham's interest in Russian art, particularly music and ballet, by conferring upon him the Order of St. Stanislaus, the highest order which can be conferred upon a civilian in the Russian Empire. Sir Joseph Beecham is the first Englishman to be thus honoured, and King George has given him permission to wear the insignia of the Order.

MR. H. A. J. PEASNALL, of Green Street, Sittingbourne, was pharmacist at the Stationary Hospital fitted up in the Council School at Faversham in connection with the Voluntary-Aid Detachments practice on Easter Monday. The staff office was "amazed" at the completeness of the scheme, and officially reported that the "hospital arrangements were beyond all praise." Mr. Peasnall considers V.A.D. work in co-operation with local medical men will do much to remove any differences which may exist between pharmacists and physicians.

## TRADE NOTES.

**BISHOP'S FRUIT SALINE.**—Messrs. Alfred Bishop, Ltd., Mile End New Town, London, N.E., give particulars of their natural fruit saline in this issue. The saline is very attractively produced.

**MESSRS. BAISS BROS. & STEVENSON, LTD.**, Bermondsey, London, S.E., announce that for the summer months their office hours will be from 8.15 A.M. to 5.15 P.M. (Saturdays 1 P.M.), and that the warehouse will be closed at 5 P.M. (Saturdays 1 P.M.).

**GIBBS'S SOAPS.**—Some of the newer soaps introduced by Messrs. D. & W. Gibbs, Cold-cream Soap-works, London, E., are referred to in an announcement in this issue. A publicity scheme regarding week-end toilet-cases is also mentioned, about which particulars will be furnished on application.

**P.A.T.A. PRICES.**—The following additions have been made to the Protected List during April: Burgess' Lion Ointment and Pills; Cassell's Tablets; D. & W. Gibbs, Ltd., additional preparations; Lecigen; Litto; Sparklet bulbs D (Refillable). The removals are Madame Thurza Norris's preparations.

**METAL-FILAMENT ELECTRIC LAMPS.**—An announcement of considerable interest is made in our advertising columns regarding the tungsten lamp patents. The three companies who control the numerous patents connected with the manufacture of these lamps have agreed to a licensing system by which each company can use the patents of any other of the companies. These patents are held to control the manufacture of tungsten-filament lamps.

**HEXANATRINE.**—The combination of hexamethylene-tetramine with sodium acid phosphate is a well-established practice, to the liberated formaldehyde being then assigned a definite rôle in therapeutics, especially in disinfecting the kidneys, bladder, and urinary tract. It has now occurred to Messrs. Corbyn, Stacey & Co., Ltd., wholesale druggists, 675 Commercial Road East, London, E., to issue these medicaments in tablet form in tubes of twenty-five. Each tablet, about the size of a sixpence, represents 5 gr. of hexamethylene-tetramine. The dose is two tablets three times daily.

**TALKING-CARDS.**—Mr. A. W. Bromley, of Whetstone, Middlesex, whose "talking" window-cards have been before the trade for over a year, has recently added four extra cards, so that he has now on offer a total of thirty-one. Mr. Bromley informs us that he has received numerous congratulatory letters from chemists who appreciate the atmosphere which the cards create as well as the "pulling power" from a business point of view. Circulars are issued giving details of the series, and those who are not acquainted with them should certainly send a post-card request to Mr. Bromley for these particulars.

**FLY-PAPERS.**—Whether to stock flat fly-papers or the suspensory type is a question asked by chemists sometimes. The answer is supplied in a note we have received from Messrs Kay Bros., Ltd., St. Petersgate Mills, Stockport, who inform us that in this country, where gas brackets and chandeliers abound and form an easy way of suspending them, the suspensory fly-catcher is most in demand. Messrs. Kay Bros., Ltd., make all varieties of fly-catchers, and many years' experience has placed them in a unique position guarantees of quality and price. As the company have representatives throughout the country, it is always possible to arrange a visit, and in this way to give a practical demonstration of the advantages of the Stockport products.

**PHOTOGRAPHIC BOOKLET.**—Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., have produced a little guide to amateur photographers, entitled "Simplicity and Success in Photography." This gives a practical account of the use of tabloid products in photography. The booklet is attractively produced with a cover in colours, and among the illustrations is one of Mr. Ponting's pictures taken with the Scott expedition to the South Pole. The booklet is supplied for distribution by chemists. We have also had our attention drawn to a very appreciative statement by Dr. Douglas Mawson,



regarding the convenience and utility of the tabloid medical equipments which were supplied to the Australasian Antarctic Expedition, 1911.

**DRUGGISTS' SUNDRIES.**—The note in last week's issue (p. 129) regarding the extension of the business of Messrs. Boling, Brown & Co., 1 Aldersgate Buildings, Aldersgate Street, London, E.C., should have emphasised the fact that the new department which has been added deals with china (Delf) ointment-pots with various caps, plain and decorated; invalid feeding-cups, drop-bottles, finger-stalls, eye-baths, eye-shades, cachets, cachet-boxes, arm-slings, cachet-closing machines, bottle-caps, pill-boxes, and the like. We have inspected some of these goods and find the assortment quite comprehensive. The upright ointment-pots, for example, are offered in several artistic shapes, some of them specially suitable for high-class face-creams. Various colours and caps in celluloid and metal are represented. The department is in charge of an experienced manager.

**BELSIZE CARS.**—We referred recently to these cars, which are sold by the Bentinck Motor Supply Co., Ltd., 13 Spring Gardens, Manchester, as business-pleasure motor-cars—i.e., on week-days the car is used for delivering goods and at week-ends can be employed for pleasure purposes. The company have now sent us a comparison of the relative cost of running a car and a horse-drawn vehicle which will interest many of our readers:

10/12 Belsize	Horse-drawn Vehicle
Purchase price ... .. £220 0 0	Purchase price ... .. £70 0 0
Mileage per annum (75 miles a day, 300 working days) ... .. 22,500	Mileage per annum (20 miles a day, 300 working days) ... .. 6,000
Depreciation 15% ... .. £33 0 0	Depreciation 10% ... .. £7 0 0
Petrol (1s. 6d. gallon per 30 miles) ... .. 55 5 0	Hay, straw, rates, etc. ... 31 0 0
Oil and grease ... .. 2 10 0	Insurance ... .. 2 10 0
Insurance ... .. 4 10 0	Tyres ... .. 2 10 0
Tyres ... .. 21 0 0	Driver, at 25s. a week ... 65 0 0
Driver, at 25s. a week ... 65 0 0	
22,500 miles cost £182 5s., or 1.94d. per mile.	6,000 miles cost £103, or 4.32d. per mile.

The Belsize cars are supplied on an easy-payment system to those who desire it. Of this particulars are supplied by the company.

## POISONING FATALITIES.

EIGHT deaths due to the effects of taking poisons have been chronicled since our last week's issue. Three of these were by misadventure.

**Aconite and Belladonna.**—Albert Treadwell (58), dock labourer, Gravesend, died from drinking aconite and belladonna liniment in mistake for some medicine. At the inquest it was stated that the bottle containing the latter bore a white label with "Blood-mixture" in red letters. Dr. Bryden, who supplied the liniment, said he put two poison-labels on the bottle. In reply to the Coroner's question as to the rule with regard to poison-bottles, this witness said that he usually used the plain 6-oz. bottle. Druggists, as a rule, used the same kind of bottle, but of dark-blue colour and fluted. Dr. Bryden criticised the use of red letters on the blood-mixture label, as this danger-signal should be used exclusively for poisons.

**Carbolic Acid.**—Peter Dow Taylor (23), grocer's assistant, committed suicide at Southport with this disinfectant.

**Vioetinc.**—George William English (41), gardener, poisoned himself at Barnsley with this insecticide.

**Prussic Acid** was the poison used for suicidal purposes at Warrington by Wm. John Barker Ashcroft (50), con-juror's assistant.

**Salt of Lemon** solution taken in mistake for whisky caused the accidental death of Edward Elcock, of Stourbridge.—This chemical was the lethal agent used by Dorothy Chorlton, weaver, Glossop.

**Veronal.**—"Death by misadventure" was the verdict at the inquest on Anetta Schlesinger (27), divorced wife of a merchant, who died at Kensington from an overdose of this hypnotic.

**Kind not Stated.**—John Pipe (52), military cap-maker, Westminster, killed himself by taking poison.

## TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., April 30, 6.30 p.m.

THE exceptionally large drug-auction, which is fully reported, overshadows business in the private market in similar produce. The principal alterations include a further advance of 1s. in cream of tartar; tartaric acid is active, and citric remains firm and scarce. Acetic acid is very low and seems worth attention. Copaiba and Peru balsams are easier, especially the former. Cod-liver oil is the turn harder. Bergamot, lemon, and orange oils continue in easier tendency. Japanese refined camphor slabs have been selling more freely to arrive at higher prices. Opium is cheaper; both Florentine orris and quillaia are firm. Quinine quiet. Holders of jalap and scammony-root are asking higher prices, owing to the Mexican troubles. Shellac and turpentine lower. The chief movements have been as under:

Higher	Firmer	Easier	Lower
Benzoin (Sum.)	Cod-liver oil	Arsenic	Cardamoms
Camphor (Jap. ref. slabs)	Cuttlefish-bone	Bergamot oil	and seed
Cream of tartar	Sarsaparilla (Native Jam.)	Coconut oil	Elemi
Nux vomica		Copaiba	Honey
Red lead		Geranium oil (Bourbon)	Shellac
Wax (Jam.)		Lemon oil	Turpentine
		Orange oil	
		Sarsaparilla (Lima)	

### Cablegrams.

**BERGEN,** April 29.—The weather in the Finmarken districts is stormy, and the fishing is making but small progress. Market for finest non-congealing oil is firm at 65s. 6d. per barrel c.i.f. terms.

**NEW YORK,** April 29.—Business in drugs is quiet. Opium and peppermint oil in tins is unchanged. Menthol is easier at \$3.5 per lb. Mexican sarsaparilla is higher at 40c. Podophyllum-root is lower at 9½c. Copaiba is easier at 42c., and round buchu is also easier at \$1.30. Wahoo bark of root is dearer at 45c., and balsam tolu has declined to 55c. per lb.

### London Markets.

**ACETIC ACID.**—In view of the low prices and keen competition ruling, important consumers are covering well over the year. It is not thought that prices can go any lower, and apparently buyers cannot do wrong in placing their requirements.

**AGAR-AGAR.**—Best white Japanese strip is quoted at 1s. 9½d. per lb. c.i.f. terms.

**BALSAM PERU.**—Genuine B.P. is rather easier, cases offering at 5s. 6d. per lb. c.i.f. terms.

**BALSAM TOLU** is offered at 2s. 1½d. to 2s. 2d. per lb. c.i.f. for prompt shipment in cases for quality as imported. Spot is weak at 2s. 4d.

**BERGAMOT OIL.**—Although the tendency in primary markets is easier, prices are substantially unchanged at 18s. 10d. per lb. c.i.f. for 38 per cent. esters.

A Sicilian report, dated April 25, states that the position is generally depressed, and business is only of a casual nature, both as regards lack of demand and the possibility



of carrying through a price, this latter being possible only when needy growers bring parcels to the market for sale.

**CACAO BUTTER.**—Sellers on spot quote 1s. 4d. per lb.

**CAMPOR (REFINED).**—Japanese is dearer, the sales including 300 cases 2½-lb. slabs up to next February shipment at 1s. 4½d. per lb. c.i.f. terms.

**CANTHARIDES.**—Russian in casks are offered at 7s. 3d. per lb. c.i.f., and in cases 8s. 5d. c.i.f. is quoted.

**CINCHONA.**—At the Amsterdam auction to be held on May 6, 1,301 bales and 368 cases Java bark, weighing 96,192 kilos. pharmaceutical bark, will be offered, with a quinine-sulphate content of 3,270 kilos.

**CITRIC ACID** continues firm, with frequent sales of small lots at 2s. 3½d. per lb.

**CLOVES** remain inactive, with sellers of fair Zanzibar on spot at 6d.; to arrive sellers of March-May quote 5½d. c.i.f. d.w. and June-August delivery at 5½d.

**COCA-LEAVES.**—At the auction to be held at Amsterdam on May 6, 2,021 packages, weighing 107,042 kilos. Java coca, with a total alkaloidal content of 1,733 kilos., will be offered; also two cases crude cocaine. In the London drug-auction, of 117 bags Java powdered leaf 104 bags sold at 3d. to 3½d. per lb. For fair green stout Ceylon-Huamco the limit was 5d., a bid of 4d. being refused.

**COCONUT OIL** is easier at 43s. 6d. for Ceylon on spot and 52s. for Cochin.

**COD-LIVER OIL.**—Our Bergen correspondent writes on April 27 that the Finmarken codfishing has only made small progress owing to stormy weather. The official report gives the following results for all Norwegian cod-fisheries up to April 25:

	1912	1913	1914
Catch of cod (millions) ...	71.2	44.8	61.4
Yield of c.l.o. (hect.) ...	53,100	28,300	46,000
Yield of liver for raw oils (hect.)	13,700	6,300	8,600

As soon as the weather becomes calmer one may hope for better results, as there are a large number of fishermen present. The market is quiet at the unaltered quotation of 65s. 6d. per barrel c.i.f. for prime non-congealing.

In London several agents are asking higher prices, and the range of quotations for finest new non-congealing oil is from 66s. to 70s. per barrel, c.i.f. terms.

According to cable statistics received from Norway on April 27, the catch, the output of cod-liver oil, and the quantity of livers set aside for natural oils up to April 25 is as follows:

	Catch of cod	Livers for raw oil (hect.)	Yield of c.l.o. (hect.)
Finmarken, 1914 ...	3,587,000	970	3,233
do. 1913 ...	4,024,000	363	2,862
Whole country, 1914...	61,500,000	8,866	45,948
do. 1913...	44,400,000	6,153	28,113

**COPAIBA.**—Importers offer genuine of B.P. quality at from 1s. 10d. to 1s. 10½d. per lb. c.i.f., being easier.

**CREAM OF TARTAR.**—A further advance of 1s. per cwt. has taken place this week, 98-per-cent. powder offering at 97s., and 95-per-cent. at 95s. per cwt.

**ERGOT.**—Russian on the spot is quoted at 1s. 7½d. per lb. for sound quality. In the drug-auction 17 bags small dull Russian were held at 1s. 6d.

**GINGER.**—Recent sales in Liverpool include 400 bags Sierra Leone at 17s. 6d. per cwt.

**JALAP.**—Advices from Hamburg this week report that on account of the Mexican troubles the market is in a strong position, and importers generally are holding out for higher prices. The same applies to Mexican scammony-root. In the drug-auction twelve bales of fair Vera Cruz jalap (9.9 per cent. resin) sold at 9d. per lb., being cheap.

**LEMON OIL** has an easier tendency. April-May shipment offering at 7s. 2d. to 8s. per lb. c.i.f. and June-December at 6s. 9d. c.i.f. Spot is 7s. 6d. to 8s.

A Sicilian report, dated April 25, states that a general lack of business has been the most prominent feature of the market during the last week, and the inactivity is causing prices to become gradually easier, notwithstanding the efforts of holders, who, by refraining from offering, are trying to counterbalance the absence of demand. Business

has been mostly of an occasional nature, it being only these holders who are in absolute need of money that are sellers.

**MILK SUGAR** is quiet at from 53½. to 58½. 10s. per ton.

**OPIMUM.**—Immediately after the close of our last report the primary markets advanced, but subsequently reacted, closing easier at 14s. 3d. per lb. c.i.f. for 11½ per-cent. Spot prices for Turkey druggists' are from 15s. to 15s. 6d. as to test.

A Smyrna correspondent writes on April 17 that the sales this week amount to 74 cases selected mixed qualities at from 14s. to 15s. 6d. and two cases selected Yerli at 17s. Sellers are determined to maintain the position until June, when they will know what the yield of the crop will be. Under the best conditions, however, it is generally estimated that it will not exceed 7,000 cases, which number, however, will be greatly reduced if little or no rain falls during this and next month. Even with 7,000 we cannot expect any material decline, unless, of course, the demand for the drug ceases altogether for a protracted period. The arrivals in Smyrna amount to 4,525 cases, against 2,357 cases at the same date last year.

A Constantinople correspondent writes on April 25 that heavy snow having fallen in the producing centres, this made us anxious for a moment, and in order to know what the effect was we communicated with our principal correspondents in the Interior, who state the snow will be beneficial to the new crop. The demand for opium still continues, especially at Smyrna, where the prices are maintained without change. The sales of the week were 17 cases druggists' at from ptns. 177 to 213. 10 cases "softs" at from ptns. 250 to 260, and 15 cases Malatias at from ptns. 240 to 243. The arrivals in Constantinople amount to 3,426 cases, against 3,461 cases, and the stock is 449 cases, against 573 cases.

**ORANGE OIL.**—The primary markets show a weaker tendency, prompt shipment offering at 8s. 6d. per lb. c.i.f. and later shipment at 7s. 11d. c.i.f.

**ORRIS** remains very firm, and likely to go higher, as stocks in primary markets are small. Best Florentine sorts are quoted at 71s. c.i.f., and ordinary at 69s. c.i.f. terms.

**QUILLAIM.**—Firm, with forward delivery offering in Liverpool at 33½. per ton c.i.f. terms, and in London 38½. is quoted.

**QUININE.**—Quiet, at from 1s. 0½d. to 1s. 0½d. per oz. for German sulphate in bulk, while makers quote 1s. 1d.

The exports of "quinine, quinine salts and combinations" from Germany during the two months ended February were as follows:

	1912	1913	1914
Kilos. ...	33,900	40,900	36,600
Marks ...	803,000	897,000	1,226,000

**SHELLAC** is lower, with fair TN Orange on spot quoted at 65s. to 66s. and free AC Garnet at 67s. 6d.; to arrive TN Orange for May-June shipment has been sold at 68s. c.i.f. Continent. Futures are lower, sales including May at 66s. to 64s. 6d., August at 67s. to 66s., and October at 68s. per cwt.

**TARTARIC ACID** continues firm and in active demand at 1s. 1½d. for English and 1s. 0½d. for foreign.

**TURPENTINE** is lower on the week, with a large business forward, including May-August delivery at 31s. 6d., September-December at 32s. 6d., and January-April at 33s. 6d. Spot quotation for American closes at 31s. 4½d.

## London Drug-auctions.

Commercial Sale Rooms,

Mining Lanc, April 30, 1914.

A month having elapsed since the previous auction, the accumulated offerings were very large, the goods being contained in thirteen catalogues. The quantity of bulky drugs placed on show at Cutler Street was the largest so far recorded since the removal from Crutched Friars, the goods overflowing to the rhubarb-room. On the average the demand was fair, but with so lengthy a session the proceedings dragged. Cape aloes was slow and unchanged, firsts being held above buyers' ideas. Zanzibar, Socotrine, and Curaçao (gourds) were neglected. Sumatra benzoin was dearer, with supplies coming forward slowly. The cardamom accumulations were more than the market could digest, and prices declined fully 6d. on the average. Cascara sagrada and powdered Java coca-leaves sold cheaply. Cuttle-fish bone is held for higher rates; no fine dragon's-blood offered. Elemi sold at a fresh decline on forced



sales; gamboge steady, but quiet. Jamaica and Hayti honey of new crop offered freely, prices being in buyers' favour. Ipecacuanha neglected, but firmly held. Menthol sold at a reduction of 7d. on the private rates, and for Japanese mint oil a decline of 6d. was accepted, both without reserve. Nux vomica brought higher rates. Rhubarb quiet. Grey Jamaica and Native red sarsaparilla were both in good request, fully steady rates being paid for the former and generally firmer rates for the latter. Lima was neglected. Senna was unaltered, and Jamaica beeswax was 5s. dearer. The following table shows the quantities offered and sold, the asterisk denoting private business:

Offered	Sold	Offered	Sold
Aconite .....	10 ... 0	Ipecacuanha—	
Ajowan seed.....	80 ... 0	Cartagena.....	13 ... 1
Almonds .....	29 ... 0	Matto Grosso ...	15 ... 0
Aloes—Cape.....	105 ... 40	Minas.....	8 ... 0
Curacao.....(cs.)	10 ... 0	Lime-juice.....	33 ... *6
Gourds.....	278 ... 0	Lime oil.....	16 ... 3
Socotrine (kegs)	41 ... 0	Liquorice-root....	29 ... 0
Zanzibar ... (cs.)	51 ... *1	Mastich.....	5 ... 0
Ambergris ... (tin)	1 ... 0	Menthol.....	9 ... 9
Ammoniacum.....	7 ... 0	Mint oil (Jap.) ...	35 ... 35
Antimony (cr. Ch.)	10 ... 0	Myrrh.....	62 ... 13
Areca.....	10 ... 0	Nux vomica.....	29 ... 29
Balsam peru.....	5 ... 5	Olibanum.....	74 ... 0
Balsam tolu.....	13 ... 0	Orange oil... (bxs.)	3 ... 0
Belladonna-root ...	1 ... 0	Orange-peel.....	13 ... *1
Benzoin—		Otto of rose... (vs.)	3 ... 0
Palembang.....	30 ... 10	Papain.....	4 ... 0
Siam.....	36 ... 6	Pea nuts (China)...	45 ... 0
Sumatra.....	107 ... 55	Peppermint oil	
Buchu.....	26 ... *1	(Eng.).....	2 ... 0
Calumba.....	327 ... 0	Puree.....	6 ... 0
Cannabis indica ...	13 ... 0	Quince-seed.....	1 ... 0
Cantharides.....	3 ... 0	Rhubarb—	
Cardamoms & seed	497 ... 210	China.....	79 ... 9
Cascarilla.....	64 ... 8	Ch. Rhap. (bgs.)	10 ... 0
Cascara sagrada		Saffron (Persian)	
(pkgs.).....	622 ... 150	(bxs.).....	3 ... 3
Cashew-nuts.....	3 ... 0	Salep.....	1 ... 0
Cassia fistula.....	27 ... 7	Sandalwood chips	28 ... 0
Chiretta.....	122 ... 0	Sarsaparilla—	
Coca-leaves.....	244 ... 104	Grey Jam.....	47 ... 43
Cochineal.....	3 ... 0	Lima-Jam.....	42 ... 7
Copaiba.....	7 ... 0	Native Jam.....	23 ... 23
Croton-seed.....	4 ... 0	Seedlac.....	40 ... 0
Cubebs.....	38 ... 0	Senna and pods—	
Cuttlefish-bone ...	54 ... 0	Alex.....	46 ... 2
Dragon's-blood.....	35 ... *3	Tinnevely.....	161 ... 79
Elemi.....	75 ... 40	Shellac.....	5 ... 0
Ergot.....	31 ... 0	Squill.....	13 ... 0
Eucalyptus oil.....	24 ... 0	Strophanthus ...	4 ... 0
Galbanum.....	1 ... 0	Tamarinds (W.I.)	25 ... 0
Gamboge.....	18 ... 0	Tonka-beans.....	11 ... 0
Guaiacum.....	6 ... 6	Tragacanth.....	20 ... 20
Gum acacia.....	168 ... 0	Turmeric.....	228 ... 12
Gurjun balsam ...	20 ... 0	Wax (bees)—	
Honey—		East African.....	51 ... 28
Californian.....	20 ... 0	East Indian.....	80 ... 0
Cuban.....	45 ... 0	Jamaica.....	10 ... 10
Hayti.....	164 ... 164	Morocco.....	0 ... 0
Jamaica.....	402 ... 185	St. Lucia.....	3 ... 3
San Domingo.....	21 ... 0	Syrian.....	2 ... 0
St. Lucia.....	17 ... 12	West Indian.....	1 ... 0
Jalap.....	77 ... 12	Wax, Chinese insect	25 ... 0
Kamala.....	10 ... 0		
Kola.....	7 ... 1		

\* Sold privately.

**ALOES.**—Cape slow and unchanged, with no buyers of firsts; 41s. was wanted for good. Mossel Bay (usual 20 per cent. tares) fair firsts, slightly soft, sold at 36s. 6d., subject; good seconds, part slightly drossy, 36s. to 36s. 6d.; fair, partly dullish, seconds, 35s. 6d.; slightly drossy seconds, 34s. 6d. to 35s.; ordinary seconds, 34s.; and soft ditto, 34s. per cwt. A lot of 278 gourds Curaçao was offered, and a bid of 83s. was refused for medium to bold size of good liver quality. Privately, Curaçao in cases is quoted at from 50s. to 55s. per cwt., according to quality.

**BALSAM PERU.**—Five cases of direct import from Acajutla sold without reserve at from 4s. 5s. to 5s. per lb.

**BENZOIN.**—Sumatra dearer, 33 cases selling at from 7l. to 7l. 2s. 6d. per cwt. for fair seconds, and at from 6l. 5s. to 6l. 10s. for ordinary seconds. In another instance eight cases of ordinary seconds partly country-cut sold at from 6l. 7s. 6d. to 6l. 10s. Ten cases Palembang sold

without reserve at from 60s. to 61s. for fair barkly seconds. Of Siam, six cases of brown dust in block sold at 5l. 15s. A bid of 8l. 2s. 6d. is to be made for four cases of small grains in dull block. Small to bold free almonds were held at 30l. per cwt.

**CARDAMOMS.**—Practically 500 packages offered, of which about half sold at a decline averaging fully 6d. per lb. The following rates were paid: Ceylon-Mysore, extra bold fine pale, 5s. 8d. to 6s.; extra bold pale, 5s. 2d. to 5s. 5d.; extra bold dullish pale, 4s. 8d. to 4s. 9d.; medium size pale, 4s. 5d. to 4s. 8d.; small and medium, 3s. 10d. to 4s. 4d.; tiny pale, 3s. 6d. to 3s. 8d.; bold specky, 4s. 4d.; dull medium specky, 4s.; small and medium specky, 3s. 3d. *Splits*, fine pale bold, 4s. 9d.; good ditto, 4s. 4d.; medium to bold, 4s. 2d.; small, 3s. 1d. to 3s. 4d.; ordinary to good pickings, 2s. 8d. to 3s. 2d.; seed, 3s. 9d. to 4s. 5d. Five cases medium round brown Mangalore sold at from 2s. 11d. to 3s., and small at 2s. 9d. Green Aleppy (4 cases) sold at 2s. 7d. to 2s. 8d. Indian from Calicut failed to sell; 6 cases good Indian seed sold at 4s. 1d.

**CASCARA SAGRADA.**—A lot of 362 bags offered, partly imported in 1907 and consisting of fair quilly, was mostly bought in at from 37s. 6d. to 40s. per cwt., and for 100 bags (1911 crop) a bid of 35s. 6d. was refused, 37s. being wanted. A further 150 bags sold at 33s. 6d. to 34s. for inferior thick and dark 1911 crop, and at 35s. for ordinary quality.

**CASCARILLA.**—Six bales very lean quill sold at 82s. 6d., and two bales slightly sea-damaged went at 70s. per cwt.

**CASSIA FISTULA.**—Seven bags fair Dominican sold at 18s. per cwt.

**CUTTLE-FISH BONE** held for higher rates, 4d. per lb. being wanted for extra bold East Indian sorts; 3½d. was refused.

**ELEMI.**—Forty cases sold without reserve at from 30s. 6d. to 31s. for fair pale paste, and common dull realised from 23s. 6d. to 24s., being cheaper.

**GUAIACUM.**—Steady. Six barrels fair glassy block selling at from 11d. to 1s. per lb. (one lot).

**HONEY.**—The large quantity of Jamaica offered was more than could be absorbed, being almost 400 packages, and in order to effect sales rather lower prices were accepted. The sales included nice white *Set* (cases) at 31s. to 33s.; fair to good ditto, 27s. to 30s.; fair set and setting, 25s.; brown set and setting, 24s. to 26s.; common brown, 19s.; inferior, part ullaged, 16s. Twelve cases St. Lucia sold at from 22s. to 22s. 6d. for dark and dull-brown liquid. A lot of 160 packages Hayti sold cheaply, including smooth-set pale at 20s. to 22s. 6d.; grainy-set pale (cases), 21s. to 22s.; brown set, 19s. 6d.; fair to good amber liquid, 19s. 6d. to 21s. 6d.; dull-brown liquid, 17s. to 17s. 6d.; and inferior setting, 15s. The sales in Liverpool include pile I Chilian at 30s. per cwt.

**IPECACUANHA.**—No demand; for good fair Matto Grosso 8s. 9d. was wanted, a bid of 8s. 4d. being refused; fair was held at 8s. 6d., this price being asked also for fair Minas. A bag of dull Cartagena sold at 6s. 6d. Three *serons* of Cartagena were offered, thus reviving a mode of packing abandoned probably twenty-five years ago. The experiment, however, is not likely to be repeated, as the goods had turned mouldy in consequence of the packing; 6s. 9d. was wanted.

**KOLA.**—A single bag of dull halves and whole sold at 23d.

**LIME OIL.**—Three cases West Indian distilled sold at from 2s. 4d. to 2s. 5d., and for hand-pressed 9s. 6d. was wanted.

**MENTHOL.**—Nine cases Kobayashi sold without reserve at from 9s. 10d. to 10s. per lb. (average price 9s. 11d.), being about 6d. per lb. cheaper than the price asked privately.

**MINT OIL.**—Privately, the sales include 100 cases Japanese for April-June shipment at 3s. 7½d. per lb. c.i.f. In auction 35 cases Yazawa and Suzuki brands sold at 3s. 9d. all round, without reserve, chiefly to a broker, being about 6d. lower than the nominal private price.



**MYRRH.**—Thirteen cases sold, comprising good bold siftings at 45s., bright small siftings 37s. 6d., dusty ditto 35s., bold dark chips 35s., common dark pickings 30s., inferior woody 25s., and dust 20s. per cwt. *Sorts* were limited at from 45s. to 55s. for common blocky to fair.

**NUX VOMICA.**—Dearer. Seventeen bags of ordinary dull sold at 12s., being dearer; and for 12 bags, mostly fair Bombay, 13s. 6d. was paid.

**RHUBARB.**—Quiet. Two cases of small round and trimming-root Shensi (High-dried), with three-quarters pale greyish fracture, sold at 2s. 6d. Four cases of medium to bold size, flat, dull-coated, and slightly wormy, High-dried, with half fair, half dark fracture, sold at 8d. to 9d. without reserve.

**SAFFRON.**—Three boxes of Persian sold at 3s. to 3s. 1d. per lb. without reserve.

**SARSAPARILLA** was in excellent demand, and, considering the quantity of grey Jamaica offered, prices were very steady as compared with the previous sale, a string of 43 bales being disposed of at 1s. 10d. to 1s. 11d. for fair to good grey of mostly uniform quality and 1s. 9d. for part rather coarse. Native Jamaica also sold well at generally firmer prices, good red bringing 1s. 3d., fair 1s. 1d., dull yellow and red mixed 11d. to 1s. per lb. Lima-Jamaica was neglected, five bales selling at 1s. 6d. for fair quality, being easier.

**SENNA.**—Tinnevely sold at unaltered rates for the small supply offered, including fair greenish leaf at 3d. to 3½d., middling greenish 2d. to 2½d., and ordinary small yellowish 1½d.; and dark to fair pods 1½d. to 1¾d. Two bales of badly sea-damaged, broken Alexandrian leaf sold on account of whom it may concern at 6½d., being dear. Very fair slightly broken Alexandrian leaf in cases was bought in at 1s. 3d.

**VARIOUS DRUGS.**—The following were among the bought-in parcels: Nineteen cases dusty *Olibanum* siftings at 20s. Two cases Bombay *Cannabis Indica* held at 6s. 6d. for genuine small tops. Fair pale *Squill* (13 bales) were bought in at 22s. 6d. to 25s.; 74 bags small to bold, from natural sorts, *Columba* were limited at 27s. 6d., and for 28 bags fair rather stalky *Cubebs* 7l. 10s. was wanted. The offerings of *Buchu* were all bought in, comprising round green at from 5s. to 5s. 6d. and ovals at 2s. 6d. Offerings of *Cascarilla* included 44 packages, which were limited at from 80s. to 85s. as to quality, and dusty siftings at 65s. Ten cases China crude *Antimony* were bought in at 14l. per ton.

**WAX, BEES'.**—Jamaica was 5s. per cwt. dearer, 10 packages selling at from 9l. 5s. to 9l. 10s. for fair brown to good red and brown mixed. Three cases brown St. Lucia realised 8l. Twelve bags fair East African block sold at 6l. 17s. 6d., and for 16 blocks good ditto from 7l. 15s. to 7l. 17s. 6d. was paid. Privately, Gambia is quoted in Liverpool at from 8l. 10s. to 8l. 12s. 6d. per cwt., being firm.

### Manchester Chemical Market.

April 28.

There has been a better feeling in heavy chemicals and alkalis generally, and deliveries on contract account show a fair increase after the close of the Easter holidays. It is expected that exports will also be on the right side notwithstanding the Mexican troubles. In any case it does not seem likely that there will be much diminution of volume. There has been more inquiry for bleaching-powder, which is quoted at from 5l. 7s. 6d. to 5l. 15s. per ton for softwood casks, on rails. Caustic soda in fair request at from 9l. 7s. 6d. to 9l. 12s. 6d. per ton for 70 to 72 per cent. f.o.r. at works; 20s. per ton allowed for lower strengths. Chloride of calcium in more inquiry at from 2l. 7s. 6d. to 2l. 12s. 6d. per ton in drums on rails. Sulphate of copper is very irregular, although at the moment there seems to be no change in the raw metal, but, generally speaking, the market is weak. Spot quotations are from 22l. to 22l. 5s. per ton, delivered Manchester, with anything from 2s. 6d. to 5s. per ton lower forward. Borax quiet at 17l. 10s. per lump. Yellow prussiate in fair inquiry at from 6½d. to 6¾d. per lb. Sulphur also has had fair vogue. In coal-tar products there is a quiet feeling. Pitch, however, is firm. Sulphate of ammonia is quoted at from 12l. to 12l. 2s. 6d. per ton, delivered Manchester.

### Heavy Chemicals.

There is little of note or of special importance to record regarding the condition of the heavy-chemical market, about the only variation being a slightly more active demand both on miscellaneous and contract account. Prices for the most part are steadily maintained at late rates.

**SULPHATE OF AMMONIA.**—In spite of a fairly good demand for prompt parcels late rates have not been maintained, while as regards forward there is, practically speaking, nothing doing. Present nearest figures: London, 25 per cent., 11l. 5s. to 11l. 7s. 6d.; Leith, 12l. 5s.; Liverpool, 12l. 3s. 9d.; and Hull, 12l. 2s. 6d. Figures for May-June may be taken as about 2s. 6d. less and July-December at 5s. less.

**BENZOLS** show a better demand for 90 per cent. Present naked figures: 90 per cent. 1s. 1d. and 50 per cent. 11½d.; North 10d. to 10¼d. and 10d. respectively.

**LEAD PRODUCTS** are very steady, and red lead is higher at 21l. to 21l. 10s., white lead 26l., and pig lead 19l. 10s. to 19l. 15s. per ton Tyne. White acetate of lead 27l. to 27l. 10s., brown acetate of lead 25l. 10s. to 26l., and nitrate of lead 30l. to 31l. per ton.

**MAGNESIUM SALTS** continue in good average request both for home and export. Sulphate 67s. 6d. to 72s. 6d., chloride 72s. 6d. to 77s. 6d., and carbonate 27s. 6d. to 30s. per cwt.

**ZINC SALTS** are well maintained at late rates. Zinc sulphate crystals 6l. 10s. to 7l., and zinc chloride, 100° Tw., 6l. 10s. to 6l. 15s.

### Continental Drug and Chemical Markets.

**BALSAMS.**—Tolu is firm and about 5 per cent. higher, the current quotation being m.5 per kilo.

**CASSIA FISTULA.**—Arrivals of the new crop show inferior quality, being partly worm-eaten, so that on the whole last year's crop, which is still sound, is preferred, although higher rates are asked for the latter.

**COLOCYNTH.**—A larger demand has lately been evident, and some considerable sales have taken place. Several hundred cases of whole apples were taken out of the market at m.85, and apple with 25 per cent. of loose seed at m.70 per 100 kilos. The drug may still be called cheap, in spite of the somewhat higher prices.

**CONDURANGO.**—Quiet, in price from m.66 to m.67 per 100 kilos.

**GLYCERIN.**—At the last Paris Exchange prices, both for saponification as well as for 80-per-cent. crude, remained unchanged. Chemically pure qualities are firm, in spite of the small demand.

**GUARANA** has not maintained its high price for long, although it had been expected that the new export duty would have been followed by a further rise. Consumers had provided themselves while the crop gave a very good result; about m.22 per kilo. is quoted.

**IPECACUANHA.**—Rio is very firm at m.18.75 per kilo. Cartagena is in slight demand at about m.14.50 per kilo.

**LINALOE OIL** has suffered a decline, and is quoted at m.23.50 to m.24 per kilo. for first quality, and correspondingly less for inferior.

**QUILLAI.**—Further supplies have tended to glut the Hamburg market, and consequently whole may be bought somewhat cheaper than in the producing country. Market for cut is quiet, with offers according to quantity at from m.69 to m.70 per 100 kilos.

### Indian Beeswax.

The following table shows the total exports of beeswax from India during the past five years, and the principal countries to which exported:

	1908-09	1909-10	1910-11	1911-12	1912-13
	cwt.	cwt.	cwt.	cwt.	cwt.
United Kingdom . . .	1,386	2,004	2,424	2,074	3,340
Straits Settlements . .	1,427	1,852	2,313	3,932	933
Germany . . . . .	1,352	1,863	2,131	3,458	2,580
Belgium . . . . .	3	360	794	579	451
France . . . . .	11	52	398	334	138
U.S.A. . . . .	20	209	219	168	55
Other countries . . .	472	558	273	1,982	149
Total . . . . .	4,671	6,998	8,552	12,527	7,646
Values . . . . .	£26,104	£39,215	£49,240	£65,911	£46,054

### Hungarian Medicinal Plants.

Among the medicinal herbs cultivated in Hungary on a large scale are peppermint, balm, sage, clary, sweet marjoram, hyssop, and rue. Peppermint is cultivated in the Great Hungarian Plain (Alfold), as well as in the North of Hungary and in Transylvania. It is exported in large quantities to Austria and Germany, and the yield is from



7 to 10 cwt. of dry herb per acre, worth about 34s. to 42s. per cwt., so that the gross returns per acre range from 12l. to 21l. Sweet marjoram is being increasingly grown in Hungary, and is mostly sent to the Austrian, German, and French markets, the quality being very aromatic. It is mostly cultivated on the right bank of the Danube and on the Alföld; the profit on marjoram is 12l. per acre. Hyssop and rue thrive well in the dry parts of Hungary, especially on the Alföld, as they are very drought-resisting. According to the experiments carried out, they can yield a yearly income of 11l. 5s. to 22l. 10s. per acre, but, in spite of this the trade is small. Several large estates in Hungary grow coriander. Recently Hungarian seed has become an important factor in the trade, in which formerly Thuringian and Moravian corianders were predominant.

#### Sudan Gum Acacia.

In the course of the annual report of the Central Economic Board for Sudan it is stated that the quantity of "gums" exported from the Anglo-Egyptian Sudan in 1912 was the highest recorded, being 19,615 tons, valued at 618,600l., or 5,258 tons more than in the previous year. "Gums" are still the most valuable of Sudan exports, but it is thought that they will probably be outstripped in the course of the next few years by cotton and live stock. The trade suffered from over-production, and the output was also influenced by the new railway between El Obeid and Khartoum, which enables the gum to be disposed of more rapidly than in former years. To counteract the ill effects of this surplus production, the Government postponed the levying of the higher royalty rates on the gum from November 1 to December 1. The royalty on gum was increased to help to defray the cost of the work which is being undertaken for the conservation of the forests, which have been exploited so rapidly in the last few years, and in some cases even denuded. Results, other than those already mentioned, from the completion of the railway to El Obeid were that the supplies of gum continued to arrive at Khartoum from the interior as late as August, whereas in former years they ceased at the commencement of the rains in May; also large quantities of gum were consigned direct from El Obeid to Port Sudan for shipment without going through Khartoum, whereby a saving in freight charges was effected.

#### Turpentine.

The run of fresh speculation in turpentine has been subdued for some time past, whereas a good deal of activity is often witnessed over the spring months. The fact that very liberal supplies are still available on the spot, with certain holders occasionally disposed to liquidate, has had its effect upon the market, yet the latter has displayed wonderful stability in the neighbourhood of 32l. per ton for spot delivery, while the moderate offers for distant positions are well absorbed at a considerable premium. There is not much inclination to indulge in forward sales in view of the fact that present indications point to rather light supplies in America for some months to come, owing to the rather seriously belated new crop operations. A good deal of leeway will probably be made up over the remainder of the spring, but recent American reports are to the effect that the receipts of new crop spirit are still very small and not likely to increase much for some time. In these circumstances there is now very little spirit being shipped to this side, while our imports for the first three months of this year already show a considerable deficit, the total being about 2,630 tons, as compared with 3,330 tons for the corresponding period of 1913. The outgoings to meet trade requirements on this side have continued on a large scale, being well in excess of last season, so that there has been a steady improvement in the statistical position in recent months. The available supplies are still slightly larger than a year ago, but they nevertheless show a considerable contraction from the high-water mark reached in the closing months of last year. There is but little doubt that the London stocks will be reduced to quite normal dimensions within the next few months, which may eventually have some bearing upon the state of the market, but the transatlantic trade position does not inspire much confidence, although efforts have been made to patch up matters after the serious financial troubles in connection with the naval stores. Given an improvement in the general American financial situation the American market may, however, show a little more backbone, but as matters now stand large dealers are not anxious to stimulate speculative enterprise, and the market is thus left to take care of itself. While the outlet for the genuine American spirit continues good on this side the demand for substitutes continues slow in view of the relative cheapness of the former.

THE largest Japanese iodine-factory is at Hayama, near Yokohama, the concern having a capital of 3,750l.



#### Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

#### Prevention of Discounting.

SIR,—The suggestion put forward by Mr. F. R. Bennett as to the prevention of discounting panel chemists' accounts by nipping over-prescribing in the bud, as it were, is good. Over-prescribing and the needless prescribing of expensive drugs are not quite the same thing, but either of them may arise from simple causes that may be grouped under the same head. I have dispensed for several doctors, and have also (much against my will) done a good deal of prescribing on my own account, and I can sympathise with practitioners who are led by weakness or good nature into the excesses from which panel chemists are now suffering. My experience, however, is that when the cost of the prescription comes out of the prescriber's own pocket an intimation that it is out of proportion to the fee he gets is usually sufficient to convince him that something cheaper would be equally suitable. I am speaking of cases of simple ailments such as form the great bulk of most men's practice, and of these I may say further that most of the doctors I have known would frequently not prescribe medicine at all if they were not aware that otherwise the patient would be dissatisfied. This is true of others besides the uneducated, though it is commoner among the latter, and club doctors know very well how to satisfy them without much expense to themselves. But it remains true that many doctors are careless about the cost of drugs unless it is brought home to them in some unmistakable way. I amazed a panel doctor the other day by telling him that one of his prescriptions could not be dispensed for less than 4s., exclusive of the dispensing-fee. Time will work changes in this respect, and chemists might do much to hasten them; many doctors, I am convinced, only need to have the facts made clear to them, and this is where the judicious utilisation of Mr. Bennett's suggestion would be beneficial.

Yours truly,

AUTOLYCUS. (68/19.)

#### The Pharmaceutical Council Election.

SIR,—There does not seem to be much interest taken in the election for members of the Pharmaceutical Council this year. So far Mr. Brumwell appears to be the only one who has thought it necessary to let us know that he is a candidate [see p. 57.—EDITOR]. Are we to assume that the other nine candidates for seven vacancies are too well known to need to make known their views on pharmaceutical subjects? I should like to know, for instance, what some of the candidates think about the Assistants to Chemists and Druggists (Qualification) Bill? The one who boldly states that he does not agree with the Bill is the man I am going to vote for. It is curious what a soothing effect that Bloomsbury Square has upon the candidates we send there, or is it that the wrangling is done in committee, and so is never heard of? Anyway, it is a fact that before candidates are elected they promise sometimes to use their influence in certain directions; as nothing happens, it may be inferred a good dose of Bloomsbury soothing-cordial is administered when they get to the Square, or their influence is so trifling as to lead to



the conclusion that they are not the strong men we were led to expect them to be. I wonder if Mr. Knight, of Edgware Road, would buckle under so quickly if he were returned to the Council? He is not a candidate, unfortunately. If he were, he should keep things lively round the Council table. I have the retiring councillors in mind, as well as new candidates, while I write. They should give an account of their stewardship, and until this is done my inclination is to vote for new candidates, because the result is at least to transfuse a little new blood into the organism. My friends tell me "not to swop horses in the middle of the stream," which is not altogether a fair simile, seeing that only a third of the Council can be re-elected at one time. I should like the views of other chemists whether the lesser evil is to vote only for new candidates, to vote only for old councillors, or to assort the votes.

Yours truly,

INCERTUS. (19, 91.)

#### Relation of the Wholesaler and Retailer.

SIR,—I have read carefully, and naturally with much interest, the address delivered by Mr. C. A. Hill to the North London Pharmacists' Association. One point may perhaps be emphasised. Medicines purchased from ordinary pharmacists are doubly guaranteed, as distinguished from those supplied by great retail concerns with multiple branches and central laboratories. The headquarters chemists are doubtless as conscientious in their work as are those in charge of the laboratories of wholesale druggists, but their products have merely to pass through the hands of subordinate managers, instead of under the jealous scrutiny of purchasers with a choice of suppliers. Thus the guarantee to the public is twofold.

Yours faithfully,

Exeter.

H. WIPPEL GADD.

#### Sterilised Milk.

SIR,—I trust that the paragraph headed "The Sterilisation of Milk" by "Xrayser II." will not pass without immediate challenge. I am quite prepared to endorse what "Xrayser" has apparently in his mind to say, namely, that the less one interferes with Nature the better, but I most emphatically disagree with his sweeping generalisation that "the sterilisation of milk . . . does infinitely more damage than the dirtiest milk that was ever sold." I am willing to admit that *occasionally* cases occur where trouble arises from sterilised milk, but is the trouble not due to over-boiling? Surely this trouble can hardly be compared by any reasonable person with the ravages caused by tuberculous milk. I also agree with him that it is the exception to find insanitary dairies near most of our great towns, but that is not the point, it is the tuberculous cow we wish to eliminate. It is quite possible, as "Xrayser" may not be unaware, to have a tuberculous cow in a sanitary dairy, and I am not at all sure if the sanitary authorities of Edinburgh will accept "Xrayser's" explanation of the high incidence of tuberculous milk in the fair capital of the North. I have proved in my own family the dire effects of the unsuspecting use of tuberculous milk, which was obtained from a source considered to be trustworthy. We had one child more or less seriously ill for the best part of two years from an illness due to what we could trace to no other source. It is a curious comment on "Xrayser's" statement, but it is a fact that on the advice of a children's specialist we put the child on sterilised milk, and from the time that we did that he began to improve, and has never turned back since, being now a healthy boy of five and a half years. After such an experience we were not taking any risks, and for the past three years every drop of milk entering the house is sterilised. A younger child (seventeen months old) has had practically nothing else, and is not a subject of constipation, has a digestion "Xrayser" himself would envy, and, apart from a touch of bronchitis, has not had a day's illness in her life. Therefore, in spite of "Xrayser," I am not likely to adopt his "dirty milk" theory. I might add for his information that England is about the only civilised nation which habitually uses raw milk.

I am, etc.,

FIAT LUX. (209/58.)

### Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

#### Wages of Outdoor Apprentices.

M. G. (206/53), having been asked to take a girl apprentice, would like to know the custom of the trade with regard to remuneration outdoors for a four years' apprenticeship. We may add that the locality is provincial, and that replies are invited from pharmaceutical women as well as men. Postcard replies will do.

#### Carboy Fire.

"I have this day received from the Guardian Insurance Co. a cheque for 10s. for a hat set on fire on April 2 by a carboy in my window. The carboy has a capacity of 8 gals., and is one of four that have been in place since 1820. Curiously enough, no damage has been done before, but hats, needless to say, are not usually put behind them."—C. P. (91/19).

#### Insurance Dispensing Net Profits.

Xopir (199/26) tells us that his income-tax surveyor "thinks there ought to be an addition to the income from the National Health Insurance business, provided the ordinary business returns have kept up to previous years. Please tell me your opinion of the net profit from this panel business."

"Opinion" is useless for income-tax purposes, as statements should be based upon facts. All the figures which have been communicated to us this year show that a gross profit is yielded (see C. & D., April 11, p. 52), but nobody has yet told us what net profit he makes. This can be arrived at by deducting a proportion of the working expenses from the gross profit, bearing in mind (1) the time occupied in dispensing; (2) the higher value of the labour employed to do the dispensing; (3) the larger space, consequently higher rental, of the dispensing department.—EDITOR C. & D.]

#### Checking London Insurance Prescriptions.

Referring to the rearrangement about checking panel chemists' accounts in the County of London, Wake Up, Pharmacists (205/1) remarks that in future chemists are to assort the prescriptions in bundles—so many at 6d., 7d., 3d., etc. This will entail a great deal of extra labour (he adds), and "it certainly is getting the work done for the paid officials at Chancery Lane, and enables them to strike an average of cost of prescription without paying the chemist for his labour. I doubt very much if they can enforce this. The Secretary of the Pharmaceutical Society should be able to give a definite opinion on this point at once before it is demanded. We are not paid Government servants with a salary, self-supporting ourselves, wife, and family, having to work so many hours a day; we are simply contractors at a cut price, and should take on no more work at the same price. I think we should refuse one and all to allow this alteration to be made in sending in our account for work done."

### Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

C. B. (206/12).—Read the note entitled "Three-years' Dispensers" on p. 50 of the C. & D., April 11, which answers your query fully.

Croft (202/44).—It is illegal for the hairdresser to sell by retail dental enamel composed solely of white enamel and chloroform if there is more than 20 per cent. of chloroform in it.

H. T. P. (199/63).—Is the brother of the maker of a promissory note capable of acting as a legal witness to the document? [The brother is a competent witness, although a witness is not necessary for the validity of the note.]

Gemil (201/4).—As you have been engaged for four and a half years in dispensing medical prescriptions you are eligible to enter for the Minor examination. The fact that you have been engaged for that period has to be testified by a registered chemist or registered medical practitioner, and there is nothing in the Pharmacy Act or by-laws stipulating where the experience has been obtained.

M.P.S.J. (203/13) asks whether he can compel the removal of a telephone cable which runs across his property. He has, from time to time, allowed the National Telephone Co. and the Post Office to go on to his roof to attend to



the cable; but there is no agreement in respect of it. [We are of opinion that our correspondent cannot compel the removal of the cable, unless the removal is necessary to enable him to carry out building alterations actually decided upon.]

**Ajax** (206/4) holds premises under a repairing lease. Although the premises are comparatively new, dry-rot has set in on the ground floor, and appears to result from faulty construction. Has "Ajax" any redress; and, if not, will it be sufficient to replace parts of the floor as it falls away? There is a covenant to keep fences in good repair; does this include re-tarring? If the nails of a fence are driven in from neighbouring land, does the fence belong to the neighbour? [Apparently the premises do not come within the provisions of the Housing and Town Planning Act, 1909, therefore "Ajax" has no redress for the want of repair. Without seeing the repairing covenants, we cannot say whether he is liable to renew the floor, but probably he is not. The fences need not be tarred, provided they are kept in repair. As a rule, a fence belongs to the land towards which the nails are driven, and in which the posts or supports stand.]

**J. W.** (206/38).—A lease includes covenants by the tenant not to assign or underlet the premises; not to close the shop or cease to carry on business there during business hours; and not to use the premises for any trade except that of a chemist and druggist "without the consent in writing of the landlord, such consent not to be unreasonably withheld." Could the covenants be enforced by law; and what would constitute an unreasonable withholding of consent to underletting? [Failure to observe the covenants will render the tenant liable to a forfeiture of his lease, or to an action for damages. Before doing any of the prohibited acts the tenant must apply for the landlord's consent, and then, if the consent is withheld unreasonably, the tenant may act without the licence. What constitutes an unreasonable withholding of consent to underletting is a question of fact in each case; but it would clearly be unreasonable for the landlord to withhold his consent in the case of a responsible sub-lessee against whom he had no personal objection.]

### Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

**A. K.** (88/49).—**PATENT-LEATHER VARNISH.**—This is used during the manufacture of patent leather to repair portions that become injured. It is in the nature of a black spirit-varnish, which could be made on a small scale by dissolving black sealing-wax in spirit. For manufacture on a large scale the following formula gives a varnish similar to your sample:

Shellac	...	...	...	4 lb.
Venice turpentine	...	...	...	1 lb.
Spirit black	...	...	...	1 lb.
Gas black	...	...	...	2 oz.
Castor oil	...	...	...	1½ oz.
Spirit	...	...	...	5 gals.

Dissolve the shellac in the spirit first, then add the other ingredients.

**A. A.** (187/21).—**BLEACHING-LIQUIDS.**—These are solutions of either sodium or potassium hypochlorite, made by precipitating the calcium from chlorinated lime by means of washing-soda or pearlsh. Alum and magnesium sulphate are also employed as precipitants. A formula is as follows:

Chlorinated lime	...	...	...	3iij.
Pearlsh	...	...	...	3ij.
Water	...	...	...	Oiv.

Mix the lime with Oiiiss. of water, and dissolve the pearlsh in the remainder; mix, and after a few days filter, adding 3ij. of hydrochloric acid to the filtrate.

**D. K.** (Kobe) (190/69).—**CARBON-PAPER.**—The kind of basis employed in making carbon-paper determines the extent to which the paper is greased on keeping. It is also dependent on the method by which the paper is prepared, whether by hand or machinery. The bases employed are soft and hard paraffin, lard oil, castor oil, soft soap, linseed oil,

tallow, resin, and glycerin. We have a good many formulae for carbon-paper, but the following illustrates the modern practice:

Drop-black ground in turpentine	...	...	...	½ lb.
Graphite	...	...	...	½ lb.
Aniline-oil black	...	...	...	¼ oz.
Soft paraffin	...	...	...	2½ lb.
Hard paraffin	...	...	...	¼ lb.
Soft soap	...	...	...	2 oz.

The last three ingredients are melted together, the colours stirred in, and the mass ground in a paint-mill until perfectly smooth. This and the subsequent spreading on paper should take place while the composition is warm.

**R. L. H.** (196/22).—**LUMINOUS WATCH-HANDS.**—It is luminous paint which is employed for this purpose, but the watch must have been exposed to strong daylight previously, or the sulphide used will not be luminous in the dark. We give several formulae for the luminous paint in "Pharmaceutical Formulas," but if only a small quantity is required it is best to purchase it ready-made, as the art of making the paint is only acquired after experience.

**Rusticus** (189/50).—**POWDER FOR WHITE SCOUR IN CALVES.**—See *C. & D.*, April 18, p. 64.

**Chlorophyll** (189/74).—There is no reason why you should not employ chlorophyll in place of ext. cannab. ind. in salicylic acid corn-cures. The ext. cannab. ind. is employed mainly for its colouring power; ext. bellad. fol. answers equally well.

**W. M. B.** (193/3).—(1) **PAPAIN ASSAY.**—The process generally employed in valuing samples of papain is to place the papain with blood-fibrin for from four to five hours at a temperature of 45° to 50° C. It is considered that a good sample should digest from 200 to 250 times its weight of blood-fibrin under the conditions outlined above. (2) We do not know the composition of the proprietary veterinary remedy to which you refer.

**Photo** (196/2).—**CONCENTRATED DEVELOPER.**—The formula given in the *C. & D.*, April 4, p. 70, should suit you. If not what you want, please repeat your inquiry.

**Aspirin** (189/44).—**INK-ERADICATOR.**—We last gave a formula for the two-solution ink-erasicator in the *C. & D.*, November 30, 1912, p. 72, but we doubt whether chemical eradicators will answer in the case of draughtsmen's ink, which is usually made up with a carbon basis and can generally be removed from the paper by a wet sponge. You will need to conduct a few experiments before stating definitely whether the eradicator is suitable for the purpose required.

**Lac** (192/72).—We cannot say definitely which process for making dried milk is used by the company you mention.

**R. C. L.** (197/30).—**HAIR-FIXING CREAM.**—The simplest form of the modern hair-fixing cream is as follows:

Powdered tragacanth	...	...	...	gr. LX.
Eau de Cologne	...	...	...	5j.
Distilled water to	...	...	...	5x.

Mix the tragacanth with the eau de Cologne, and then add the water. Almost any soluble colouring ingredient can be employed if it is needed to give a tint to the preparation.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 14, 1864.

### On the Sulphuric Acid of the Brit. Ph.

By J. C. BROUGH.

When noticing the sulphuric acid of the Brit. Ph., I ventured to contradict certain statements made by Dr. Redwood in a lecture delivered before the members of the Pharmaceutical Society. My remarks have been criticised in turn by Dr. Redwood, who endeavours to prove that his objections to the description of acidum sulphuricum, given in the Pharmacopœia, are beyond dispute, and in strict accordance with the results of the latest investigations. The acid referred to is prepared by distilling commercial oil of vitriol and rejecting the first and last portions; and it is described in the *Materia Medica* as "monohydrated sulphuric acid, HO,SO<sub>3</sub>," having the sp. gr. 1.846. Dr. Redwood says that the product of the Pharmacopœia process will not realise this description; and further states that the monohydrated acid has a higher specific gravity, and that it congeals in cold weather as glacial acetic acid does. It is to be regretted that Dr. Redwood omitted to cite his authority for these statements, which are at variance with the teaching of every English text-book of chemistry.



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*(Vide Pharmaceutical Press)*

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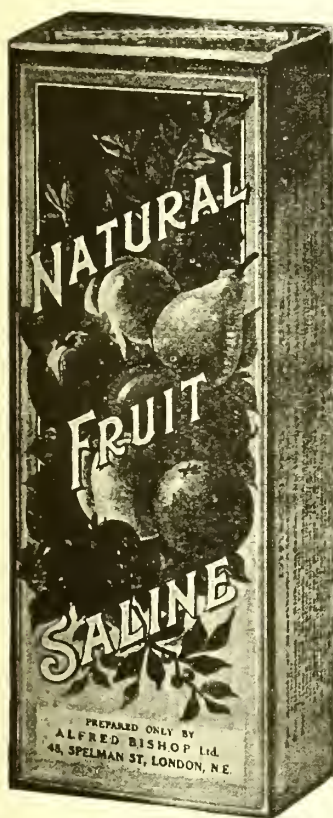
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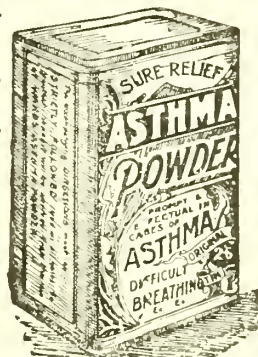
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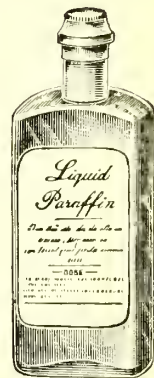


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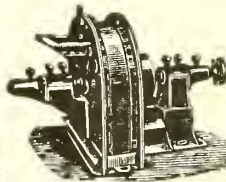
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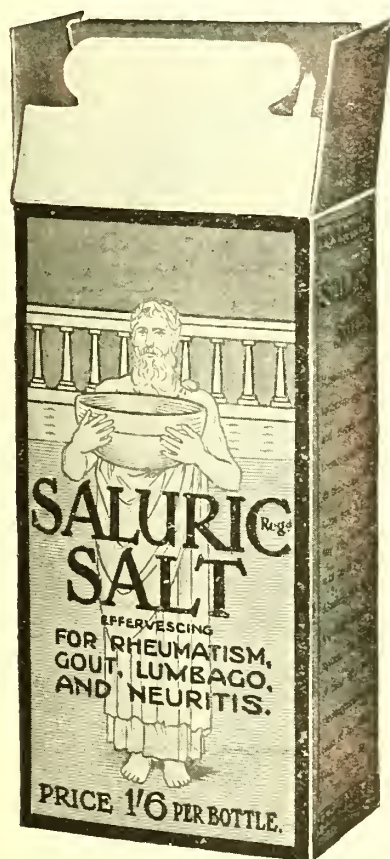
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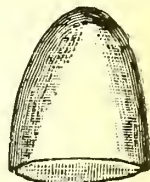
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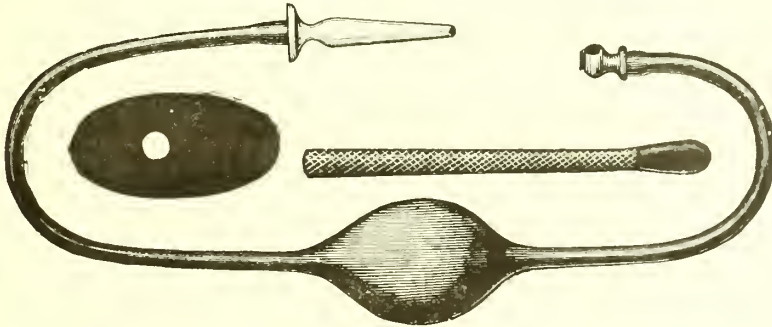
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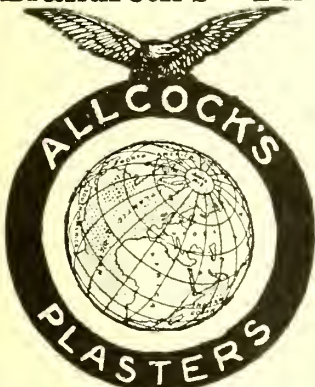
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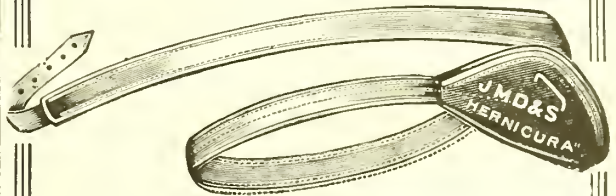
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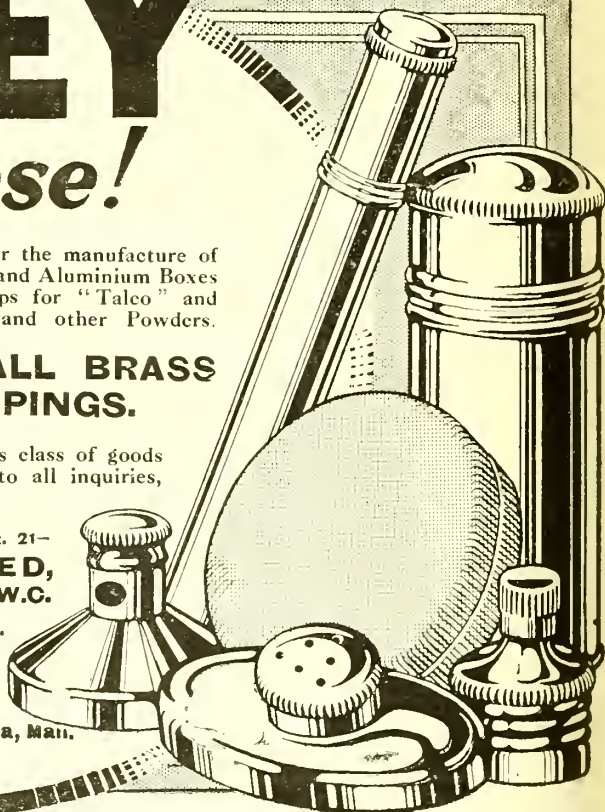
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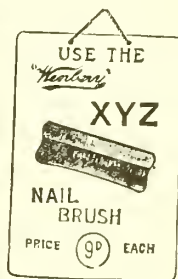
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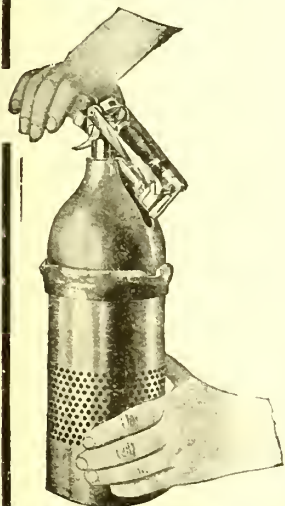
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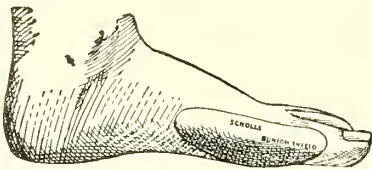
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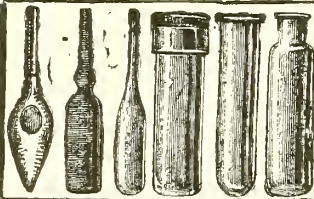
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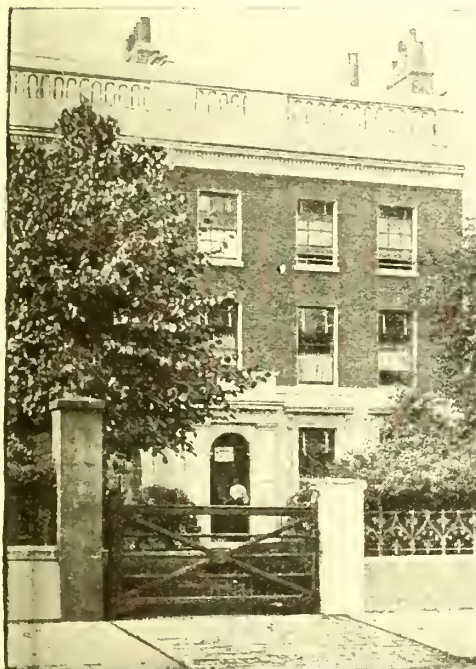
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Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

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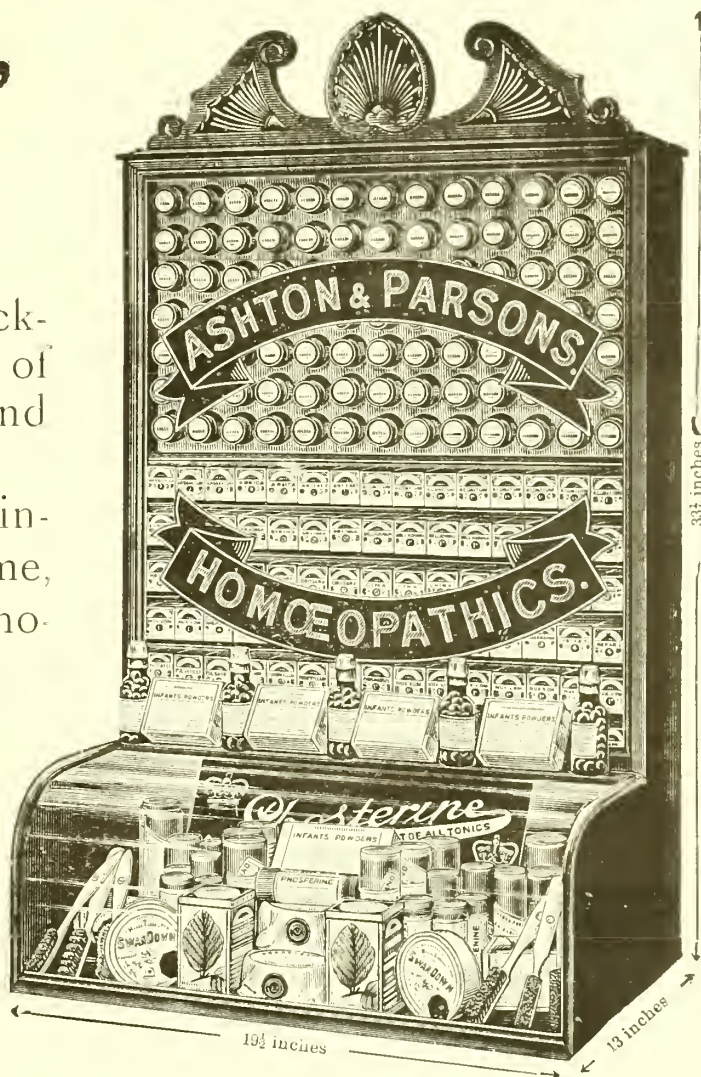
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


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# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MAY 2, 1914

Telephone Number: Bank 852 (two lines). Telegraphic Address: "Chemicus, Cannon London" (charged as two words)

**A COPY OF THIS SUPPLEMENT IS INSERTED IN EVERY NUMBER ISSUED OF "THE CHEMIST & DRUGGIST."**

## AN AUSTRALIAN TRIBUTE.

By Monday's post (April 27), we received the following (dated March 21) from a firm of Wholesale and Manufacturing Chemists in Queensland:—

"Please discontinue our advertisement under . . . . . substituting the second copy for it.

"The enormous number of replies we received to this advertisement, most of them from firms and individuals of the very highest repute, is a splendid tribute to the advertising value of your journal. Those of your British advertisers who realise the large number of Australian pharmacists who read the 'C. & D.' from cover to cover must feel that their expenditure is a trifle compared with the value they receive." (205/28.)

In the Colonies, as elsewhere in the world, business men recognise that The Chemist & Druggist gives  
**THE PUBLICITY IT PAYS TO PAY FOR.**

## CHEMISTS' TRANSFERS.

**Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.**

May be consulted at their Offices on matters of **SALE, PURCHASE, and VALUATION.**

1.—LONDON, S.E.—Retail and Dispensing, with Optical and Photographic; established many years; returns £1,525; comfortable residence; handsome well-appointed shop and good stock; price £900, or valuation terms entertained.

2.—KENT (Suburban).—Situate in very pleasant residential locality. Ready-money Business; practically unopposed; returns £1,460; profits large; full investigation permitted; the premises are held on lease; terms, goodwill £100, stock and fixtures by valuation.

3.—LONDON, W.—Ready-money Business; capable of extension under the personal supervision of a principal; returns about £600 per annum; gross profit 50 per cent.; rent low; price £200.

4.—WESTERN SUBURB.—Death vacancy; situate in pleasant residential locality; good-class Business; no serious opposition; returns last year £1,360; profits large; full investigation permitted; rent £45; held on lease; price £850.

5.—MIDDLESEX (few miles out).—Good-class Business. Retail and Dispensing; returns last year £1,000; full investigation courted; rent £56; about £600 required, or valuation terms entertained.

6.—LONDON, S.W.—For immediate Disposal, Ready-money Business, situate in main road; returns average £1,000; net profit £500; rent £65, including good house; price £750, or valuation of stock and fixtures.

7.—HIGHGATE.—Established Business; held by vendor upwards of 25 years; returns average £850; corner shop, position unique; to effect a speedy transfer the sum of £400 will be accepted.

8.—SOUTH COAST (Health Resort).—For valuation of stock and fixtures and small sum for goodwill, a good-class Retail and Dispensing Business, with Photographic Sundries; returns over £2,000 at fair price; corner shop, well fitted and fully stocked.

9.—MANCHESTER (near).—Family Retail, Dispensing, and Photographic; excellent opening for Dentistry; returns average £20 per week; large shop, double fronted, good stock; rent £50; terms, £70 and valuation of stock and fixtures, or £300 down and £200 by instalments.

10.—SOUTH OF THAMES (Good-class Residential Locality).—Dispensing and Family Retail Business, situate in the main street; returns £700, with excellent profits; well-fitted shop; good residence, with garden; held on lease; price about £560.

11.—GLOUCESTERSHIRE.—Retail and Dispensing Business; returns about £700 per annum, increasing; net profit £200; double-fronted shop, fitted in modern style; roomy house; price £420, or near offer.

12.—HOME COUNTY.—Retail and Dispensing Business; capital position; returns about £1,200 per annum; net profit 25 per cent.; price £800.

13.—SURREY.—Unopposed Business; price £430, or prompt offer; Dispensing and Family Retail, with appointment; returns £625, with net profit about £240 (proof given); good house and garden; full investigation invited.

14.—WEST OF ENGLAND.—Good-class Retail, Dispensing, and Photographic Business; old established; returns average about £1,100 per annum at fair prices; terms, valuation of stock and fixtures and sum for goodwill to be arranged equitably; or Managership with view to succession would be accepted.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

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Returns £1 179.—LEICESTERSHIRE.—Good-class Light Retail in growing market town; vendor, having purchased a Dental Practice, will accept £50 and valuation of stock and fixtures, in all about £700; net profit about £275; good house; lease.

£1,300 returns.—BIRMINGHAM.—Good middle-class Retail; very profitable; Patents below the average; price £800, or £100 goodwill and valuation.

£900 returns.—GLOUCESTERSHIRE.—Light Country Retail, in charming locality; net profit £244; good house, garden, lawn, etc.; rent £45; lease; price £500, or £100 goodwill and valuation.

£600 returns.—SOUTH WALES.—Good position in fine seaport town; now in unqualified hands; could be doubled by qualified man; price £250.

£700 returns.—LANCS.—Branch; difficulty in getting suitable Manager; £20 per week can be done with personal attention; price £350.

£1,000 (nearly) returns.—LIVERPOOL.—Light Retail, in good position; rent £55, low; very few Patents; price £500.

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£950 returns.—Good Country Retail in nice district; large house, garden, lawn, etc.; price £400; to a man wishful for quiet country life could not be better suited.

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CENTRAL NORFOLK.—Fine old-established Country Business returning from £1,200 to £1,500, at good prices and profits; superior house; good shop and premises; vendor owns; will lease or sell; one year's net profit as goodwill, and valuation.

MANY BUSINESSES in all parts of London and the country; in quire invited.

EXAMINATIONS and reports on Businesses for purchasers guidance on moderate terms; prompt personal attention to all matters.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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1.—SOUTH WALES (Health Resort).—Light Retail, Dispensing, and Prescribing Business in very best position; returns £2,400; net profit £650 clear; excellent house and shop; modern fitted, heavily stocked; price £1,600; part can remain.

2.—SOUTH COAST.—High-class Dispensing and Light Retail; same hands many years, retiring; returns £1,450; net profit £355 clear; splendid position; scope for increase; price £875.

3.—LANCS.—Profitable Cash Retail, Prescribing, and Dispensing; returns £18 a week; net profit about £275, increasing; good house; low rent; price £450, simply valuation.

4.—GLOUCS.—Very profitable Retail and Dispensing; scarcely any Patents; net profit about £300; good house; well fitted and stocked; same family many years; owner going abroad; price £400.

5.—SUSSEX.—Good-class Light Country Retail; no heavy trade; returns £700; net profit £200; good house and garden; modern attractive shop, fully stocked; price only £340.

6.—SURREY (Charming Locality).—For immediate Disposal, Light Country Retail; returns £410; net profit £160; good house and garden; net rent only £15; price £250, simply valuation; worth attention.

7.—LONDON SUBURB, N.W.—Good-class Dispensing and Light Retail Business; very profitable; no side-lines; returns £750; fine position; large house and Pharmacy, fully stocked; price £600.

8.—LONDON, S.E. (8 miles out).—Sound Retail Business, all ready money; returns over £800, increasing; net profit £230; good house, smart Pharmacy; no near opposition; price £400.

9.—MIDDLESEX (Death Vacancy).—Very profitable Cash Retail Business; practically unopposed; returns last year £1,360; net profit over £400; good house and Pharmacy; well stocked; price £900; personally inspected.

10.—KENT COAST.—Light Family Retail and Dispensing Business, in central position; not a season trade; returns £750; net profit over £200; large house; price £500; recommended.

11.—Lincs.—Unopposed General Country Retail; returns under manager £533; net profit £160; good house; low rent; scope for increase; price £200 or valuation.

12.—OXON.—Old-established Light Country Retail Business, in fine position of good market town; returns £800, with scope for increase; double-fronted shop, well stocked; price valuation.

13.—DEVON.—Light Family Retail and Dispensing; charming locality; easily worked; returns £700; net profit £200; attractive Pharmacy, well stocked; good house; price £400 or valuation.

14.—BEDFORDSHIRE.—Light Cash Retail, no N.H.I. work; returns about £750; net profit £200; books audited; good house and shop; low rent; price £335, or valuation.

15.—LONDON, S.W.—Cash Retail, Prescribing, and N.H.I. in centre of large population; returns about £25 weekly, increasing; net profit 33½ per cent.; no near opposition; modern up-to-date Pharmacy, fully stocked; price £600, books properly kept.

16.—LONDON, N.E.—Cash Retail and Prescribing; not on Panel; returns over £800; plenty of scope; net profit £250; busy main road; large shop, fully stocked; price £425, or offer.

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**MINTSHIRE.**—Profitable Retail, Prescribing, and Dispensing Business for immediate Disposal; N.H.I. work; shop with modern fittings and excellent stock; good house, with long lease; estimated net profit about £300; sum required about £700. Full particulars on application, Jones, Connah's Quay.

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**FINE** old-established Business, occupying the best position in country market town, healthy and picturesque spot near South Coast; good premises, modernised Pharmacy, and first-rate residence, all held on long lease at low rental; price about £1,500. Further particulars may be had by furnishing references to "Phenol" (69/7), Office of this Paper.

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**I** MUST Sell at once, having accepted an appointment requiring my immediate attention, my good-class Business situate in a busy manufacturing town in the Midlands; returns £1,100, including Dental and Optics; net profit £325; long lease; good house; rent £49; accept bare valuation; immediate sale imperative. 71/23, Office of this Paper.

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**SOUTH AFRICA**.—Experienced Representative, leaving England in July for a few years' continual travel from Cape Town to the Zambesi, requires additional houses to Represent; advertiser has held responsible positions for premier houses of Great Britain and South Africa for the last 15 years; established connection with Chemists and Doctors; advertiser has a thorough knowledge of the trade in all its branches, Drugs, Counter Adjuncts, Surgical Instruments, Patent Medicines, Photographic and Optical Goods. Address, "Capensis," (68/33), Office of this Paper.

**SPAIN**.—Pharmacist desires Depot or Sole Agency for foreign Pharmaceutical Specialities, Alimentary Products, Perfumery, etc.; or would undertake manufacture and packing locally. Samples, catalogues, and correspondence in Spanish or French only to Mariano de la Vega, Botica del Carmen, Oviedo.

**DRYSDALES, LTD.**, Wholesale and Manufacturing Chemists, Brisbane, Queensland, seek special Quotations, with samples, for Druggists' Sundries, especially for such articles as Tooth-brushes, Corks, Dispensing-bottles, Cotton-wool Lint and Bandages; Drysdales are open to consider fair offers for their appointments as sole Queensland or Australian Agents for any real live lines handled by Chemists. All communications should be addressed to the Managing Director, Petrie's Bight, Brisbane, Queensland.

## TO LET.

**LANGOLLEN, N. Walce**.—To Let, Oxford House, Bervyn Street; central position on main motor road; suit Chemist. Apply, Roberts, "Cartref," Grange Road, Rhyl.

**SHOP** and House to Let, Leyton, 222 Francis Road; nice shop and good dwelling accommodation; rent £36; on agreement or lease. Apply, Jenkinson, Brinsley & Jenkinson, 15 New Bridge Street, E.C.

**TO** Let, in a rapidly growing shop centre in the Undercliff, Felixstowe (100 yards from Pier and Sea), a new Shop, with residence over planned for season letting; excellent opening for a Chemist; no such business within three-quarters of a mile. Apply to Tuddenham, Builder, Felixstowe.

## PARTNERSHIPS.

**QUALIFIED** Partner, with capital about £500, for small Company; good opportunity for young Pharmacist having enterprise and energy. "Therapeutic" (73/14), Office of this Paper.

## APPRENTICESHIPS.

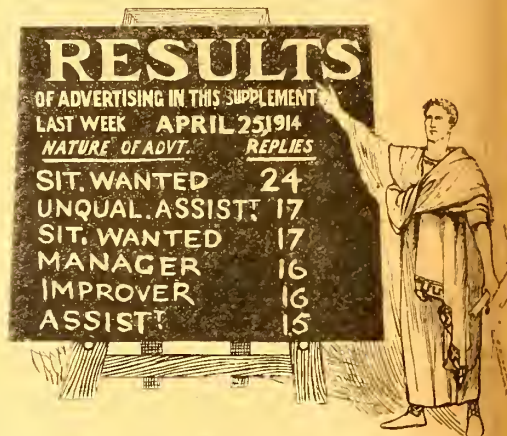
**APPRENTICE** wanted immediately; outdoors; no premium; only three years' agreement; progressive salary after month's trial; time for study; healthy locality; thorough tuition guaranteed; good-class Dispensing business; exceptional chance for intelligent youth. For further particulars apply, W. H. Kirkland, Chemist, Crickhowell, Breconshire.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number of nom de plume.

## TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding the letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

**ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER** you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

**BE BRIEF BUT CLEAR**.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the advertiser cannot form this picture from the inadequacy of the material set before him.

## RETAIL.

**ABERDEEN**.—Wanted early in June, qualified lady or gentleman to manage a Branch Pharmacy; applicants will please send full particulars, age, experience, references, salary expected, etc.; applications not replied to in three days respectfully declined. Apply in first instance (by letter only) to Mr. Reid, 626 King Street, Aberdeen.

**BOURNEMOUTH**.—Junior Assistant wanted; outdoors. Apply to J. H. Sharland, Chemist, 152 Holdenhurst Road, Bournemouth.

**BOURNEMOUTH**.—Junior Assistant required now for summer season, active and reliable, for good-class Retail and Dispensing business. Apply, stating age, height, salary required, references, and photo if possible, to Gilbert & Hall, 15 Commercial Road, Bournemouth.

**BRADFORD**.—Wanted, young, thoroughly up-to-date, energetic qualified Manager; must be really capable and able to build up a big business in centre of city; salary starting £180. State fully previous experience and send photograph, 209/30 Office of this Paper.



**BRECON.**—Junior Assistant, unqualified, for good-class Agricultural business, with Photography; Welsh-speaking preferred. Apply, giving references, and send photo, with full particulars, to Gwilliam, Pharmacist, Brecon.

**Bristol.**—Wanted, a capable, experienced Dispenser; must be qualified; age about 25. Apply, with full particulars, to "L." (208/42), Office of this Paper.

**BRISTOL ROYAL INFIRMARY.**—Junior Assistant, qualified; salary £100 per annum; hours 9-5; Sunday and evening (half-hour) in rotation; experience in making Galenicals desirable; ladies not eligible. Apply, with copies of testimonials, to the Pharmacist.

**BROWBOROUGH.**—Required immediately, thoroughly capable Assistant (qualified or unqualified), not over 30, for good-class Dispensing business. Apply, with full particulars of experience, age, height, salary required (indoors), G. H. F. Dier, Pharmacist, Crowborough.

**EVON.**—Unqualified Chemist, good reliable Counter hand, for Drug Department of good-class business, with N.H.I. Dispensing; very convenient house provided adjoining shop, h. and c. bath; state if disengaged, salary, number to family, and full particulars of experience. Apply, 67/25, Office of this Paper.

**EASTBOURNE.**—Junior Assistant, unqualified, required about middle of May for good-class Retail and Dispensing business. Please state age, height, references, salary required, and send photo, to J. Forbes, Pharmacist, Eastbourne.

**GREENWICH.**—A smart Junior required for Cash business; outdoors. Apply, with full particulars, to Baker, 16 Church Street, Greenwich, S.E.

**HULL.**—Qualified man to manage Light Retail branch; N.H.I. Dispensing; hours 8.30 to 8.30, Saturdays 10.30, Thursdays 11 a.m.; no Sunday duty. Apply, with full particulars and photo (convenient), to Arthur S. Snowden, 442 Anlaby Road, Hull.

**LANCASHIRE.**—Smart, qualified man required; one used to modern cash trading and capable of taking entire charge of business just about to be opened in a progressive industrial district; good agreement, with an interest in the business. State whether married, and when at liberty, 71/45, Office of this Paper.

**LIVERPOOL.**—Good all-round unqualified Assistant wanted; Liverpool district preferred; one accustomed to Prescribing; no photographic work; hours 9 a.m. to 9.30 p.m., Saturdays 9 a.m. to 10.30 p.m.; no Sunday duty; age between 25 and 30. Apply, with full particulars and salary required, by letter, to H.D. Woodhead, 16 Paradise Street, Liverpool.

**LONDON.**—Required immediately, for high-class business, competent unqualified Assistant of good appearance; must be an expert Dispenser. State age and salary required, 71/44, Office of this Paper.

**LONDON.**—Qualified Assistant; Scotsman and one requiring a permanency preferred. Apply, giving full particulars of age, height, experience, and salary required (outdoors), to 71/8, Office of this Paper.

**LONDON.**—Qualified Manager wanted for a good business, offering ample scope for an energetic and capable man; liberal salary and commission on profits is offered. 71/41, Office of this Paper.

**LONDON.**—Outdoor qualified Assistant required immediately; capable of taking charge. Give references and salary asked, 73/9, Office of this Paper.

**LONDON.**—Qualified man for N.H.I. work, six mornings and three evenings, from 10 to 1 and 6.30 to 10; remuneration 12 s. per hour; suitable for Major student; no Retail. Full particulars in first letter, 73/31, Office of this Paper.

**LONDON, E.**—Qualified Assistant, about 25, outdoors, for quick Retail and Dispensing; capable of taking charge. Apply, giving full particulars as to references, experience, salary required, etc., to "Permanent," c/o Messrs. Evans Sons Lescher & Ltd., 60 Bartholomew Close, E.C.

**LONDON, E.**—Junior required to assist with Dispensing, Counter, and stock; also an Improver; good opportunity to acquire knowledge of Dispensing. Apply, with usual particulars and when engaged, to 67/10, Office of this Paper.

**LONDON, E.**—Competent Junior Assistant wanted; outdoors. Apply, with full particulars of age, height, experience, references and salary required, to Alexander R. Keith, 6 Christ Poplar, London, E.

**LONDON, N.**—Young qualified Manager. Apply and enclose photo if possible, with full particulars of age, height, experience, and salary required (outdoors), to Dow Brothers, Pharmacists and Opticians 44 Seven Sisters Road, Holloway, N.

**LONDON, N.W.**—Assistant required, about 22, indoors, with good-class Dispensing experience. Elmer Pettinger, 30 Roselyn Hill, Hampstead, N.W.

**LONDON, N.W.**—Junior Assistant (outdoors) for good-class Retail and Dispensing business; about 22; Dispensing experience essential. Please state full particulars to "Pharmacist" (70/38), Office of this Paper.

**LONDON, N.W.**—Qualified Junior wanted for Dispensing business; outdoors. P. Davidson, Ph. Chemist, Brondesbury, N.W.

**LONDON, S.E.**—Young qualified Assistant wanted, married, to take charge of small business when required; must be good Counterman and accurate Dispenser; good references essential; furnished rooms over business; gas, etc. State age, experience, and salary required, "E." (70/10), Office of this Paper.

**LONDON, S.W.**—A smart qualified Assistant required, about 25; accustomed to good-class business. Apply, with full particulars, to Wm. Amore & Co., 173 Sloane Street, S.W.

**LONDON, S.W. (Residential District).**—Junior Assistant; indoors preferred, but outdoors arrangeable; usual half-holiday; good-class Dispensing and Retail; good and progressive salary to suitable man wishing permanency. Apply in first case, with full particulars, enclosing photo (to be returned), "Pharmacist" (68/50), Office of this Paper.

**LONDON, S.W.**—Required, Dispenser (Minor qualification); salary to commence 50s. per week; age about 25; hours of work 8.45 a.m. to 6.30 p.m. approximately; no Sunday duty; 14 days' annual vacation. Apply, by letter, stating full particulars, to 226, Sell's Advertising Offices, Fleet Street, E.C.

**LONDON, S.W.**—Qualified man to Manage Light Retail Branch, with N.H.I. Dispensing; reliable, trustworthy; good references; moderate salary. Call or send full particulars and arrange interview, Goodall, 66 Lower Richmond Road, Putney.

**LONDON, S.W.**—Wanted at once, Junior for May 20; indoors or outdoors. Apply, stating age, height, experience, and salary required, to J. G. Feltwell, Dispensing Chemist, Church Road, Barnes, S.W.

**LONDON, S.W.**—Junior Assistant required, about 19 years of age, as Improver; preference given to one used to Stock-keeping and Window-dressing. Apply, 73/34, Office of this Paper.

**MARGATE.**—Competent Assistant; accustomed to good-class Retail and Dispensing; good Salesman; qualified, and seeking permanency preferred; knowledge of Photographics. Apply, with details of experience, age, height, salary required, and enclose photo, to D. T. Evans, 13 Canterbury Road, Margate.

**MIDLANDS.**—Qualified Assistant for modern Store in busy Midland town; subsequent management; good salary with commission, and hours reasonable; no Sunday or B.H. duty. Give full particulars as to age, height, experience, references, etc., in first letter (photo if convenient), 67/1, Office of this Paper.

**NORTH STAFFS.**—Wanted, a gentlemanly, capable Assistant; one used to good provincial business; must be neat writer, good Dispenser and Counterman, and had good training and experience; outdoors. Send latest references and usual particulars, with recent photo (which will be returned), to Edmund Jones, Central Pharmacy, Hanley, Stoke-on-Trent.

**OLDHAM.**—Young qualified Assistant wanted; salary £3 per week and commission; must be quick and reliable and a good Salesman. State age, height, experience, references, and photo, 62/17, Office of this Paper.

**OXFORD.**—Wanted, a qualified Assistant, with high-class Retail and Dispensing experience. State full particulars, age, height, and salary required (outdoors), with photo. Apply, Mr. Thomas, Messrs. Cousins, Thomas & Sons, Chemists, 63 Banbury Road, Oxford.

**SCARBOROUGH.**—Junior or Improver; Dispensing and Photography. State salary, etc. (outdoors), Hunt & Ruff, Hanover Pharmacy.

**SHREWSBURY.**—Wanted, Junior Assistant; outdoors; short hours; no Sunday duty; one just finished apprenticeship will suit. Please give full particulars in first letter, age, height, and salary required, to A. Williams, Chemist, Castle Street, Shrewsbury.

**SOUTH COAST.**—Reliable Junior Assistant; accustomed to high-class Dispensing business. Apply, giving full particulars, to "J. B. R.," British Drug Houses, Ltd., Graham Street, City Road, N.

**SOUTH KENSINGTON.**—Unqualified, gentlemanly Assistant. Smart Dispenser, with high-class experience, age 27-32; salary 45s. weekly (outdoors), and increased after six months; hours 8.30 to 8.30 and duty alternate evenings till 10; Sunday duty alternate; Saturdays off at 1.30. State full particulars, 69/35, Office of this Paper.



**SOUTHPORT.**—Qualified Assistant as Manager for branch. Barton, Chemist, Southport.

**SOUTH WALES.**—An unqualified Assistant wanted immediately (indoors) for Mixed Retail and Dispensing; must be a neat and accurate Dispenser. Apply, stating particulars as to age, experience, references, salary required, to 71/17, Office of this Paper.

**WARRINGTON INFIRMARY AND DISPENSARY.**—Qualified Dispenser (female) wanted; salary £80 per annum, rising by annual increments of £5 to £100; knowledge of Photography an advantage. Applications, stating age and qualifications, together with copies of three recent testimonials, to be sent to the undersigned on or before Monday, the 11th May, 1914. endorsed "Dispenser." Rules and duties on application. J. H. J. Hampson, Secretary.

**WOOLWICH, S.E.**—Assistant; outdoors; accustomed to good-class Retail, Dispensing, and Photographic business; no Sunday duty. Apply, with full particulars and salary required, Wing, Pharmacist, 69 Powis Street, Woolwich, S.E.

**WORKS.**—Qualified Assistant required immediately; easy hours; permanency; good prospects; single; an elderly man not objected to; in- or outdoors. State age and salary required, 69/16, Office of this Paper.

**A CAPABLE** qualified Assistant wanted, chiefly for Dispensing Counter. Apply, with usual particulars, to Topholme & Son, 1 Colchester Terrace, Earl's Court, S.W.

**ASSISTANT**, unqualified, age about 24 (or older not objected to); must be good Counterman and Window-dresser and able to Dispense; good salary to right man. Lester & Williamson, Great Heath, Coventry.

**ASSISTANT** from now to middle of September. Give salary (outdoors) and references, 67/3, Office of this Paper.

**ASSISTANT**; permanency; outdoors; good Counterman and Dispenser. Apply, stating full particulars and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

**ASSISTANT** wanted; unqualified; must bear excellent references; good and willing worker. Apply personally, or by letter, giving full particulars, copy of testimonials, salary required, etc., to M. Matz, Chemist, 5 Bury New Road, Manchester.

**ASSISTANT** (unqualified) wanted immediately, outdoors, with knowledge of Photography. Apply, with full particulars, age, height, salary, etc., W. H. Stones, 21 Tacket Street, Ipswich.

**ASSISTANT** (outdoors) in good-class Dispensing business; pleasantly situated, 10 miles from City; no Sunday duty; a young qualified man will find this an advantageous situation for gaining good Pharmaceutical experience. F. Goldby, Enfield Town.

**ASSISTANT** for three whole days a week (Mondays, Thursdays, and Saturdays) and alternate Sundays, 11 to 1 and 6.30 to 8.30; salary £1; personal interview preferred. E. Anstee Turner, 100 Fulham Road, South Kensington.

**ASSISTANT**, unqualified, outdoors, for medium-class business; not any Sunday duty; close early one day weekly at 1 o'clock. State salary required in first letter, and also give age, experience, height, etc., to Hooper's Drug Stores, Ltd., 291 Rye Lane, S.E.

**ASSISTANT** for Counter, Windows, etc., with knowledge of N.I. Dispensing and Photographic trade: a good and progressive salary offered. Apply, with full particulars, to George & Co., Chemists, 127 and 129 Barking Road, East Ham.

**AT ONCE**, for 2 weeks; competent, qualified Locum; young; accustomed to quick Retail and Photographic business; Victoria, S.W. Apply, with full particulars as to experience, terms, (outdoors), and reference, 71/35, Office of this Paper.

**CHEMIST**, qualified, lady preferred, to Manage a Branch Shop; good remuneration by salary and commission. Apply, giving full particulars of age, experience, references, etc., to Harkness, Beaumont & Co., Junction Bridge, Edinburgh.

**CHEMIST and Dentist**, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, where obtained, ability in Pharmacy and Dentistry, if married what family, class of business and hours used to, salary required, when disengaged, references, photo, Foster, Ivydale, London Road, Portsmouth.

**CHEMIST.**—Thoroughly qualified Chemist required for Dispensing duties; permanency; commencing salary about 55s.; close at 6 p.m. Write, stating age and particulars of previous engagements, to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

**COMPETENT Junior**; vacancy will shortly occur in good-class Retail, Dispensing, and Photographic; South-East Coast. Please give experience, height, salary expected, etc., to 70/31 Office of this Paper.

**DISPENSER** wanted, National Health Insurance qualification, Norfolk district; quick, accurate, and capable of taking charge of private and N.H.I. Dispensing; Counter experience (slight) and knowledge of Homoeopathy preferred, but not essential. State age, experience, salary required, and full particulars, 68/26, Office of this Paper.

**DISPENSER** (male), Minor qualification, wanted at once for good-class private practice (S.E. Suburb); easy work; comfortable post. Apply, stating age, references, and salary required, to "Aspirin" (71/9), Office of this Paper.

**DISPENSER and Bookkeeper** (outdoors) about May 20; ab steamer preferred. Apply, giving salary asked, age, and references, to Dr. Morley, Barton-on-Humber, Hull.

**ELDERLY** Chemist required shortly for requirements of the Act; indoors; comfortable home; duties very light. State salary required in first letter, 65/27, Office of this Paper.

**ELDERLY** qualified Chemist; comfortable berth; easy hours; work light. State when disengaged, salary required, and age to 71/46, Office of this Paper.

**ELDERLY** qualified Chemist required for supervision only post would suit gentleman who has retired or who is in different health. Belsher, Chemist, Bloxwich.

**EXPERIENCED** man for Dental, Truss, and Speciality business; good Extra-oral; take impressions and fit Teeth; good references and experience indispensable; state particulars and salary, and commission expected by letter; hours 10 to 9, Saturday 10 to Thursday 1. Dental and Surgical Stores, Russell Place, Woolwich.

**IMMEDIATE.**—Wanted, qualified man for post as Chemist Superintendent to a small Limited Company; easy work and hours; an interest in the business could be secured by a reliable man; vacancy must be filled by May 9. Apply, giving particulars and salary required, to Morphews, Ltd., 121 Moss Street, Blackburn.

**IMMEDIATELY.**—Junior Assistant wanted; outdoors; hours 9 to 9.30; half-holiday weekly. State salary, etc., Jones, Pharmacist, Thayer Street, Manchester Square, W.

**JUNIOR Assistant** wanted (outdoors) for high-class Dispensing business. Send full particulars as to age, height, references, salary, etc., also enclose photo, to E. T. Neathercoat, Pharmaceutical Chemist, Weybridge, Surrey.

**JUNIOR or Improver** for Isle of Man, with Dispensing experience. Apply, enclosing testimonials, stating salary required (outdoors), to "Rhei" (67/24), Office of this Paper.

**JUNIOR or Improver** for good-class and Mixed Country business. Apply, Horrocks, Chemist, Knutsford.

**JUNIOR Assistant**; outdoors; accustomed to good-class Retail and Dispensing. Full particulars to Gould, Pharmacist, Teddington, S.W.

**JUNIOR Assistant** for a good-class Retail and Dispensing business; outdoors; short hours; no Sunday duty. Apply, stating full particulars, salary required, Goodman, Chemist, Banbury Oxon.

**JUNIOR or unqualified Assistant** required in a good-class Retail and Dispensing business; Photographic knowledge desirable. Full particulars to Snow, Chemist, High Street, Marlow.

**JUNIOR or Improver** wanted for Light Retail Dispensing business; knowledge of Photography preferred; energetic and smart. State height, age, experience, and salary required to Day, Pharmacist, Saltash.

**JUNIOR Assistant** (22-24) for first-class Dispensing and Retail business; good Dispenser and knowledge of Photographic permanency; indoors; comfortable home. Please state experience, age, height, and salary required to C. H. Dixon, Chemist, Westgate-on-Sea, Kent.

**JUNIOR qualified Assistant**; reasonable hours, with prospect of advancement to a worker. Kindly state in brief essential particulars of experience, etc., to Mr. W. A. Shadforth, Pharmaceutical Chemist, 63 Grove Road, Bow, London, E.

**JUNIOR Assistant** wanted; unqualified; outdoors; good Dispensing essential. Please apply, with full particulars, to W. R. An Chemist, High Street, St. John's Wood, N.W.

**LADY Dispenser** for Doctor, to attend Surgery daily and keep books and N.H.I. records; qualification not necessary; thoroughly experienced in Dispensing. Apply, stating age, experience, and salary required, to Dr. H. H. Stiff, Bury St. Edmunds, Suffolk.



**WIS & BURGOWS** have a vacancy for a Junior Assistant, accustomed to Dispensing. Apply, with full particulars, to Holborn Bars, E.O.

**MANAGER** for Lancashire, Burnley district; good-class business; at once; in- or out-door; £3 and commission. Apply, Office of this Paper.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, have a vacancy for an unqualified Assistant; permanency and good salary.

**MARRIED**, unqualified man wanted; Midlands; must be good Dispenser and Counterman, steady, obliging, and smart; age about 30 to 35; live over premises (6 rooms and bathroom); undeniable references wanted; a most comfortable bed. Full particulars in first letter, 71/22, Office of this Paper.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

**PART-TIME Assistant**; 3 nights per week; working-class business; Birmingham district. 71/42, Office of this Paper.

**PART-TIME** wanted at once; evenings only; N.H.I. Dispensing; must be quick and accurate. Apply, Brodribb, 344 Marc St, Hackney.

**PHARMACEUTICAL Chemist** or fully qualified Assistant for Chemist and Photographic Department. Applications, with testimonials, to be sent to Sir William J. Baxter, Ph. Chemist, Craine.

**PHARMACIST** in suburb of Newcastle-on-Tyne requires qualified Locum for fortnight in July or August. State salary, references, etc., 70/16, Office of this Paper.

**PHOTOGRAPHY.** — From June 1 to October 1, capable and reliable man for Developing and Printing Amateur work. See previous experience, age, salary required to Mr. Evans, Chemist, Westgate-on-Sea.

**RICHARD & CONSTANCE**, Haymarket, London, have a vacancy for a young French Pharmacist, preferably one who speaks Spanish and Italian; some knowledge of English is necessary; hours 9 to 8; salary 30s. per week; weekly half-day; no Sunday work. Apply, by letter, to Mr. Theakston.

**QUALIFIED Manager** (40 to 45) for small Drug Stores, General, Retail, and Dispensing; married man, to live on premises; good house; nice locality, London, E., suburb; salary 2 guineas weekly, house and gas, and commission on increased Rent; good scope; steady man with good references. Usual particulars to "Suburbia" (70/1), Office of this Paper.

**QUALIFIED Assistant** for Dispensing Counter; outdoors. Apply, stating age, height, salary required, with full details of previous experience, to Roberts & Co., 76 New Bond Street, W.

**QUALIFIED Manager** for Branch in Bristol; also qualified Assistant for relief during holidays; permanent berths for reliable, energetic men; no Sunday duty; outdoors; hours 8.30 to 3.0, Fridays to 9, Saturdays to 10; closed Wednesdays at 1. Age, height, salary, and references to Managing Director, Hodders, Ltd., 5 Nelson Street Bristol.

**QUALIFIED Assistant**; General Retail. State salary required, reference, Cook, Chemist, Hindley.

**QUALIFIED Assistant**, age 30 to 40 years, for Light Retail and Dispensing business in Manchester suburb; able to take charge when necessary. Apply, with full particulars, stating salary required, to G. Marsden, 221 Chester Road, Manchester.

**QUALIFIED Manager** for West Country Seaside Resort; permanency; married, to live on premises; good Salesman and Dispenser, with some Photographic knowledge; must be neat, accurate, methodical, and accustomed to good-class trade; weekly wages, house, gas, and commission; steady man with good references. Usual particulars, Hain, Barnoon Terrace, St. Ives, Cornwall.

**QUALIFIED Branch Manager**; permanency; married preferred; good experience; Prescriber, Dispenser; pushing, obliging, energetic; good-class district, in main street, busy thoroughfare; easy distance of main shop; salary and commission. Blomere, M.P.S., Smethwick.

**QUALIFIED Assistant** wanted, chiefly for Dispensing; no Insurance work; time off one whole day one week and half-a-day the next week alternately; usual summer holiday. Please state age, experience, references, salary required, and when disengaged in first letter, or apply personally to Bishop & Vincent, 460 Holloway Road, London, N.

**QUALIFIED Assistant** required for Brisk Family, Dispensing, Agricultural business in country town, with a knowledge of Photography; married man preferred, to live over shop; permanency to the right man. Apply, C. Midgley, Market Place, Bedale.

**QUALIFIED Assistant** required in Dispensing business as Senior. Please give particulars of previous experience and references to W. W. Brunton & Co., 240 Earl's Court Road, S.W.

**QUALIFIED Assistant** wanted (young) for Retail and Dispensing business, Suburban. Reply, stating salary required (outdoors), age, etc., to 75/12, Office of this Paper.

**QUALIFIED Assistant**, single, with good Counter and Dispensing experience; age about 25; must be of good address and have excellent references. Apply, stating age, height, salary required and when disengaged, with photo, to T. Furness & Son, The Pharmacy, Chesterfield. Applications not answered in 3 days declined.

**QUALIFIED**, tall and gentlemanly, Assistant, with experience in high-class businesses, required shortly. Write, full particulars, or call, The Manager, 164 Piccadilly, W.

**SENIOR Assistant**, qualified or unqualified; permanent engagement; seaside; Photographic knowledge indispensable; Optics advantageous; must be prepared to invest £250 in 6 per cent. shares. State fully experience, age, salary, and enclose photo (undeniable references required), "Adagio" (71/4), Office of this Paper.

**THIRD Dispenser** (male), holding Minor qualification, is wanted at the Bristol General Hospital; salary £110 per annum; luncheon provided; hours 9 a.m. to 5.30 p.m. Apply, with references, to the Chief Pharmacist, General Hospital, Bristol.

**UNQUALIFIED Assistant** wanted, must be good Counterman and Window-dresser, for high-class Store; outdoors; 8 to 8; no Sunday duty; also unqualified Manager wanted for good-class Branch. Please give full particulars of salary, experience, reference, etc., and photo, to W. H. Pearson, Chemist, Cornmarket Street, Oxford.

**UNQUALIFIED Assistant or Junior** wanted; outdoors; half-day holiday weekly; no Sunday duty. Apply, giving full particulars, to J. A. Moore, Chemist, Grimsby.

**UNQUALIFIED Assistant** wanted at once; capable of taking charge if required; working-class district; must be good Salesman and Prescriber; please state age, height, experience, salary, references, and whether married; progressive situation for really good and reliable gentleman. "Camph" (70/12), Office of this Paper.

**UNQUALIFIED Assistant** wanted, age 22 to 25; Dispenser, Counterman; knowledge of Photography; outdoors. Give references, height, wages; call at Atkins, 71 East Hill, Wandsworth, S.W., during morning or evening after 7, or write, Atkins, 30 Highbury Park, N.

**WANTED** in a first-class Pharmacy on the South Coast, a Senior Dispenser, with good Counter experience; outdoors; one requiring a permanency preferred. Apply, with references, to F. Wimsaure, Pharmaceutical Chemist, Bexhill-on-Sea.

**WANTED** for the season (from Whitsuntide if possible), an Assistant, about 24 years of age, and to take occasional charge of small Branch; Light Retail and Dispensing. Please state salary (indoors) and usual particulars Davies, Chemist, Rhyl.

**WANTED**, unqualified Assistant for permanency; age 24-30. N.E. London. Apply, "Orthos" (64/26), Office of this Paper.

**WANTED** at once, good Junior Assistant; accustomed to a Mixed business, with N.H.I. Dispensing; age about 22. Apply, J. & J. Clemshaw, Ltd., Chemists, Bury, Lancs.

**WANTED** at once, unqualified Junior for high-class Retail and Dispensing (indoors), from 20 to 24 years of age; must have had some experience in Dispensing and a knowledge of Photography preferred. Full particulars to T. E. Savage, Pharmacist, Crouch End, N.



## WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**DRUG Trade (Wholesale).—**Youth (16 to 18) to assist in Wet Department. State experience (if any), with reference and wage required, to "Drugs," Goodall, Backhouse & Co., Leeds.

**ENTERING or Invoice Clerk** required by London Wholesaler; must have experience of Perfumery, Proprietaries, etc. Apply, stating age, wages required, and nature of experience, to "Kudos" (208/43), Office of this Paper.

**EXPERIENCED** Counter hand, aged about 24, with good knowledge of Drugs, required; progressive appointment for energetic and competent man. State record and wages required to 67/23, Office of this Paper.

**JUNIOR Assistant** required, age about 20, for Buying Department of Druggist Sundries; must have had some previous experience. Apply, Messrs. C. J. Hewlett & Son, 35 Charlotte Street, E.C.

**LABORATORY** hands wanted, with some experience. Apply, The British Drug Houses, Ltd., Graham Street, City Road, N.

**MANUFACTURING** Chemists require the services of a Pharmacist with experience in dealing with Medical Literature and General Advertising; permanent position, with good prospects. Apply, giving full particulars, to 196/16, Office of this Paper.

**PILL-MAKER** required; hand machines only; must be reliable and thoroughly experienced. State previous employment and wages required, "Belton" (208/72), Office of this Paper.

**PRESENT** address wanted of Paul Wodor, until lately Druggists' Sundriesman at 10 Christopher Street, London, E.C., whose Traveller, if disengaged, might secure berth by applying to Paul Metz, Birmingham, who requires capable man able to obtain orders, especially for Willow Boxes, from Wholesale and Export houses in London and Province.

**REQUIRED** immediately for the Manufacturing room, smart young man experienced in the making of Ointments, Emulsions, and General Specialities. State age and when at liberty, and salary required, 71/43, Office of this Paper.

**REQUIRED** immediately, a qualified Assistant, with knowledge of Therapeutics, to visit Doctors and Chemists. Apply, giving full particulars, to Box 447, Matthews' Advertising Service, Staple Inn Buildings, High Holborn, London, W.C.

**SIDE-LINE.**—A firm well known in the trade have an exceptional Side-line for Travellers with good connection; liberal commissions paid on results. Address, in confidence, stating experience, ground covered, etc., to "S. E. C." (198/69), Office of this Paper.

**TABLET Room.**—Wanted, a Sugar and Chocolate Coater. Reply, stating age, experience, and wages required, to "Tablet" (56/7), Office of this Paper.

**TRAVELLERS** to call on Medical men in principal towns, London excepted, to Represent a well-known Preparation; preference given to one representing one or two other lines; first-class experience in this class of work essential. State full particulars and salary required to 68/32, Office of this Paper.

**TRAVELLERS** wanted, with established connection, to sell Speciality on 20 per cent. commission; nothing to carry. Write, The Merckham Trading Co., 8/10 Bath Street, City Road, E.C.

**YOUTH**, used to working in Manufacturing Laboratory. State age, particulars of experience, work done, and wages required to 70/36, Office of this Paper.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.** The Advertiser may, if preferred, have reply addressed to this Office, and forwarded on payment of an additional charge of 6d.

**AMERICA.**—The English Manager of a Drug Store wants a good, steady, reliable man, unqualified or qualified; salary £4 to £5 week; applicant must be prepared to invest £200, £500, as security for which shares will be issued; grand climate. Write, Box 581, Fitzgerald, Georgia, U.S.A.

**BOMBAY.**—Qualified Assistant wanted for a first-class private British firm of Chemists; age not over 30; three year agreement; salary £200 first year, £220 second year, £240 third year; hours 9 a.m. to 6.30 p.m.; passage paid out and home by P. & O. steamship. Apply, with copied testimonials and photo to "R. L." S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

**INDIA.**—Required shortly, a first-class qualified Assistant, aged about 23, for English Chemists doing high-class trade; good salary and prospects for right man; four years' agreement; passage paid both ways. Write, giving full particulars, qualifications and experience, to Indo Burma Co., Ltd., 108 Westminster Exchange, E.C.

**JAPAN.**—Qualified Assistant, about 30 years of age; four year agreement; salary £144 first year, advancing £12 annually to £180, with residential quarters and board, also a commission on net profits; second-class passage paid via Siberia, and return passage home if agreement completed. Apply, with copied testimonials and photo, to "R. L." S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

**PARIS.**—Qualified English Assistant, West-End experience; knowledge of French and Continental Pharmacy, required by May 15; short hours; no night or Sunday duty. Apply 62/32, Office of this Paper.

**REQUIRED** for Russia, Englishman with knowledge of Dispensing and Druggist Store business; one who can improve organisation with a view to preventing pilferage is especially required; a knowledge of German is desirable, but not absolutely necessary; salary to commence with roubles 150 per month, all necessary travelling expenses, and if desired a contract for a certain period. Write, with full particulars of qualification and experience, to Box "S511," Lee & Nightingale, Liverpool.

**WANTED**, a Pharmacist as Drug Manager and Buyer in a large Departmental Store in India; 5 years' engagement; salary progressive, to commence 400 rupees a month. Apply by letter, stating age, particulars of experience, etc., to 24, Sell's Advertising Offices, Fleet Street, London, E.C.

## SITUATIONS WANTED.

**1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.**

The Advertiser may, if preferred, have reply addressed to this Office, and forwarded on payment of an additional charge of 6d.

### [HOME.] RETAIL.

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**ASSISTANT**; 21; disengaged; tall, good appearance; used to quick Retail and Dispensing; Window-dresser; five year experience. "Treble." 71 Priory Road, Hastings.

**ASSISTANT**; unqualified; smart Salesman; tactful Countermaid; Dispensing; attractive Window-dresser; excellent references. 70/26, Office of this Paper.

**ASSISTANT**, age 22, 8 years' experience, requires Part-time (London); good Dispenser. "Ipscae." 24 St. Mary's Road, Canonbury.

**CAPABLE** unqualified Assistant; 23; tall; Dispensing, Window Photo; varied experience. "Reliable." (67/11), Office of this Paper.



**ABLE Assistant** desires permanency in provincial town; age 29; unqualified; experienced Dispenser, Prescriber, Salesman; Photographic and Veterinary; progressive; disengaged; highest references. 71/36, Office of this Paper.

**HEMIST** (Minor qualification) would act as Supervisor or undertake Stock or Night work; single; varied experience; reasonable terms for permanency. "Permanent" (70/23), Office of this Paper.

**ERBYSHIRE District**.—Qualified Manager; 41; experienced high-class Stores and Dispensing; good worker; best references. "Phenol" (71/38), Office of this Paper.

**ISENGAGED**; Locum. temporary; unregistered; satisfactory references; abstainer; 50; single. "Prescriber," 73 St. Andrews, Uxbridge.

**SPENSER and Surgery Assistant**; Dressings and Minor Surgery, Anaesthetics; sound experience. "Medicus," Wesley Me, Spennymoor.

**SPENSER (lady)**; Hall; undertakes Locum work; good experience and references; Shorthand, Typewriting, Bookkeeping. 622, Office of this Paper.

**SPENSING** wanted by expert Insurance Dispenser, qualified. Gibson, 115 Scott-Elli's Gardens, St. John's Wood.

**ENINGS** (3 or 4), not Saturday, except occasionally, when could do week-ends; qualified; 35. "Pharmacist," 26 Grass Road, Muswell Hill, N.

**ENCH Assistant**, 29, with 12 years' experience in Paris, Germany, and Belgium, desires situation in English Pharmacy, London or elsewhere; first-class references. 65/16, Office of this Paper.

**PYE**, 33 Louisville Road, Upper Tooting, qualified, now disengaged.

**NIOR**, West-End experienced, seeks position. "Aconite," 41 Frithville Gardens, Shepherd's Bush, W.

**NIOR** (19), tall, requires position in London; good Dispensing and N.I. State salary, hours, etc., Bullard, 4 Albion Terrace, Wisbech.

**NIOR** (20) desires engagement in good-class Dispensing business. Please state full particulars, Parker, 21 Derby St., Heanor, Derbyshire.

**NIOR**, Improver; 18; highest references; Leeds preferred. "Rhei," 26 Winfield Mount, Leeds.

**NIOR** (21) desires a four months' engagement in good-class Dispensing business. Allieon, 93 High Street, Lincoln.

**LOY Dispenser** (Danish), with 6 years' experience in Denmark and Germany, desires situation with a Doctor or a Chemist in an Institution; speaks English fluently and has had Hospital training. Seidel, 7 Nevorn Place, London, S.W.

**LOY Dispenser** (Hall) disengaged till 5 p.m.; good nursing experience. Simpson, Westbourne House, Isleworth.

**LOY Dispenser**, qualified, seeks re-engagement; highest references; Bookkeeping and Bandaging. Write, 040, Scripps Advertising Offices, 13 South Molton Street, W.

**UM**; Birmingham district; disengaged till June 1. "C," 4 Regent Street, Smethwick.

**UM or permanency**; 27; unqualified; 12 years' experience; reliable references; trustworthy; disengaged. 69/22, Office of this Paper.

**UM**, qualified; 20 years' first-class private and Store experience. "Aspirin," 29 Avondale Road, Southport, Lancs.

**UM, Assistant, Manager**; N.H.I. qualification; 29; tall; Dispensing, Prescribing, Photography; sound experience. 70, Office of this Paper.

**UM**, qualified; abstainer; experienced. A. J. Paynter, Weymouth Road, Frome, Somerset.

**UM**, qualified; days, weeks; abstainer; experienced; disengaged. "X," 9 King's Cross Road, W.C.

**UM**.—Experienced lady Pharmacist is booking dates; Retail and Hospital; vicinity Berks; free May, July, and onwards. 73, Office of this Paper.

**UM-TENENS**; qualified; good all round. "London," 73/303, Office of this Paper.

**LONDON**.—Thoroughly competent Assistant (studying) wishes part-time; wages about 25s. per week. 69/28, Office of this Paper.

**LONDON**.—Locum or Manager; 33; qualified; good all-round experience. Address, 69/8, Office of this Paper.

**MANAGER**, Pharmacist, married, under no notice, desires remunerative permanent change; two situations 10 years; organiser, controller; high-class N.H.I., Photographic; quick Store and Window-dressing experience; good appearance; undeniable references. 67/16, Office of this Paper.

**MANAGER** (Branch), with or without view succession; experienced Prescriber, etc.; 35; married; Hall; London. "Reliable" (69/32), Office of this Paper.

**MANAGER**; married; age 42; experienced all branches of trade; preferably live over; South or West country preferred; best references; moderate salary. 70/13, Office of this Paper.

**MANAGER**; fully-qualified Chemist seeks position (London preferred) in high-class Pharmacy or Store; best all-round experience; middle-aged; very active. 71/32, Office of this Paper.

**MANAGER** or position of trust; outdoors; Major; Wholesale and Photographic experience; middle aged; active Dispenser and Pharmacist. "Chemist," 241 Lordship Lane, East Dulwich, S.E.

**MANAGER**, qualified; Salesman, organiser. Prescriber; Photographics. "Lockyer" (73/33), Office of this Paper.

**MANAGERSHIP**.—Qualified (35), married, requires permanency; highest references; private, Dispensing, and Store experience; Yorks preferred; all-round experience. 67/21, Office of this Paper.

**MANAGERSHIP**.—Qualified (40) requires permanency; high-class Store and Dispensing experience; with or without view to succession; London preferred. 69/13, Office of this Paper.

**MORNINGS or evenings**; London; qualified; 41; single. "Moderate" (70/230), Office of this Paper.

**N.H.I.** qualification; 35; experienced 18 years; disabled left hand, but quick Dispenser; good Salesman, Prescriber; satisfactory references. "Disengaged," 31 Duchess Road, Birmingham.

**N.H.I.** and Counter; experienced Senior, used quick trade; disengaged May 11; moderate salary; outdoors; unqualified. "Radix," c/o Frost, 48 Perth Road, Leyton.

**PART-TIME**, evenings preferred; Pharmacy or Dispensary; West-End reference; Locum work entertained; unqualified. Achene, 2 Jeffreys Road, Clapham Road, London, S.W.

**PHARMACIST**; 30; good experience in managership; modern business ideas and methods; takes a real interest in organising and development; disengaged in three weeks. "Retrah," 240 Earl's Court Road, S.W.

**QUALIFIED** (lady); disengaged; permanency or season; experienced and reliable; excellent references. 67/29, Office of this Paper.

**QUALIFIED**; 41; single; good experience; N.H.I. Dispensing or any general work; London or elsewhere; come capital. "Business" (70/203), Office of this Paper.

**QUALIFIED**; 27; tall; London experience; good references. 69/38, Office of this Paper.

**QUALIFIED**, married, desires Managership in Branch Pharmacy; many years' town and country experience; good Prescriber; moderate salary; London or suburbs; at liberty May 12. "Pharmacist" (69/19), Office of this Paper.

**QUALIFIED** seeks situation as Manager; 32; married; tall; West-End and provincial experience; disengaged soon. 69/6, Office of this Paper.

**QUALIFIED**; 45; disengaged; used to Cash trade and N.H.I. work; good Prescriber and Extractor. "Chemist," 134 Cecil Street, Greenheys, Manchester.

**QUALIFIED Manager**, married, tall, desires permanency in really good-class business; thoroughly experienced and competent in every respect; first-class references furnished. "Pharmacist," 53 Marlborough Road, Wembleton Park, S.W.

**QUALIFIED**; disengaged; 40; Branch Manager; experienced; trustworthy. "Storax," 104 Wharnciffe Street, Hull.

**QUALIFIED**, Manager or Assistant, in good firm; long experience; good references; Extractor; disengaged May 20; London preferred. "Jem," 141 Mitcham Road, Tooting, S.W.

**QUALIFIED Manager**; 46; married; energetic; thoroughly competent; experienced in every class of business; successful Prescriber; Photography, Optics; well recommended; seeks secure permanency. 70/30, Office of this Paper.



**Q**UALIFIED; Manager or Assistant; excellent references; disengaged. 71/25, Office of this Paper.

**Q**UALIFIED Manager; experienced; highest references. Thos. Milton, 8 Portland Place, Clifton, Bristol.

**R**EFRACTIONIST, 8 years, knowledge Extra. and Intra-Ocular diseases, desires engagement. "Kryptok," Wesley Manee, Spennymoor.

**S.** MANCHESTER preferred.—Dispenser, engaged part-time, would assist Chemist or Doctor; N.H.I. and Hall. "Salicin," 6 Brown Street, Withington, Manchester.

**S**TAFF-NURSE-DISPENSER (Hall) desires post, Doctor or Hospital; good Surgical and Dispensing experience; in or near London preferred. Miss Shaw, Boston Hospital, Lincolnshire.

**U**NQUALIFIED; 27, all-round experience; disengaged; West End preferred. 67/14, Office of this Paper.

**U**NQUALIFIED (23) wants situation for middle of June; steady; references; honest. 70/18, Office of this Paper.

**U**NQUALIFIED; married; 33; exceptionally long references; thoroughly experienced all branches; accustomed to control staff; can manage branch; disengaged early May; if Locum Essex preferred, or country permanency. Locke, 80 Mildmay Road, Romford.

**U**NQUALIFIED, age 30, tall, first-class references and experience, good Salesman and Window-dresser, ex Manager of Drug Store. "Enterprise," Cottenham, Cambridge.

**U**NQUALIFIED; 25; disengaged for two weeks. Lemon, 5 Birch Grove, Acton.

**U**NQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A.," 24 College Street, Chelsea.

**W**ANTED, by a competent and reliable man, Part-time in London area. 69/280, Office of this Paper.

**Y**OUNG Lady requires situation to put up Stock and maintain same in Chemist's shop; 6 years with Perfumers, 3 years in Drug Stores; good reference; moderate salary. R. Whitman, 50 Dorby Road, Croydon.

**Y**OUTH, 16, tall, strong, gentlemanly appearance, wishes to enter Retail Chemist's as learner; present employment Wholesale Packer and Perfumery; indoors; small salary required. Write, "A." (73/27), Office of this Paper.

## WHOLESALE.

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**A**NALYTICAL Chemist, research and works experience, requires Part-time employment, with or without use of Laboratory. 53/32, Office of this Paper.

**A**S Resident Representative, Leeds and district; Specialities, etc.; Agency or Locum work. 65/25, Office of this Paper.

**C**HEMIST open to engagement in Wholesale Drug House; Manufacturing, Analysis, etc.; London experience, also practical work, comprising management, buying, travelling, office, warehouse. 69/25, Office of this Paper.

**C**ONTINENTAL Druggist (21), thoroughly reliable, experienced, also Photography, French, German perfect, good English, Spanish, and Italian, wants position in Wholesale Drug house; Manufacturing, Correspondence, etc. 73/23, Office of this Paper.

**E**XPERIENCED Representative desires re-engagement; West and South of England. 69/30, Office of this Paper.

**M**AJOR (23), "Square" trained, requires position in Analytical Laboratory. 70/17, Office of this Paper.

**M**AN, 25; Shipping Invoicing (Elliot Fisher); first-class references; able take control. 65/21, Office of this Paper.

**M**AN, 24, good experience Stockkeeping and Buying, can take charge small department. 65/23, Office of this Paper.

**M**ANAGER, Warehouse and Despatch, seeks engagement; 15 years' London experience; capable organiser; good knowledge of Essence trade and Sundries; excellent references. Address, 65/22, Office of this Paper.

**P**ACKER, Wet, Dry, Perfumery; female; experienced. Mar 79 Stanley Road, Ilford.

**S**IDE-LINE.—Advertiser, covering from Chester to Penna with Bristol as a centre, Oxford as a boundary, could with one good Side-line with his present on a commission basis. Re "Side-line" (54/32), Office of this Paper.

**T**RAVELLER, experienced, commercial training, smart man, open to Represent good house; Essences, Oils, Bot etc.; sound connection. Apply, 70/22, Office of this Paper.

**W**ORKS Manager disengaged shortly; good organiser, accustomed to handle selling staff; special experience all Toilet lines. "Bray" (73/350), Office of this Paper.

**Y**OUNG lady desires situation as Forewoman in Wholesale Druggists; 7 years' experience, 4 years as Forewoman "A. B.," 35 Natal Road, Ilford.

**Y**OUNG Austrian desires post in Warehouse or Office of Wholesale Druggists; 6 years' experience; German correspondence, Shorthand, Typewriting; highest references. "K. L.," 228 Iham Rye, East Dulwich.

**A**

**WEST  
END  
CHEMIST**

**BROMLEY, Chemist. WHETSTONE, MIDDLESEX**

Writes about Bromley's Talking Card

"They are a fine example of the art making people want things. I put the window and exhibited two in the shop in a week they produced quite £3 worth of extra business."

Why not let them increase your business? Photography, Sponges, Saline, Hair Wash, etc. Write for details.

## THE CHEMISTS' FRIENDLY SOCIETY

Assistants and Apprentices—support your own Society. It is the International Trade Society for the United Kingdom. Members advancing the claims of the Society are benefiting themselves, the Society being mutual.

Forms of application for admission on request from

**THE MANAGER, C. F. S. (C Dept.),**  
194 St. Vincent Street, GLASGOW.

## YOUR ATTENTION—ONE MINUTE

What was only possible for the largest advertiser is now within reach of the smallest Pharmacist. My window centres are real slide window shows. With each one are directions for a full display, the price, 26, enables you to compete with the largest advertiser. In previous ads. Send for one now, and particulars of my Service. The head of a large printing firm states: "They are perfect, and would be cheap at 5/-."

**BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD**

## FACE THE QUESTION

OF THE SELLING POWER OF YOUR WINDOW—DOES IT PAY?

IF NOT—THEN SECURE AN INCREASE OF TRADE.

Send P.O. 1/10. Name of TWO PREPS. of 15 Words each, and secure TWO of our LATEST DISPLAYED CARDS, size 15×10 and 12×9½, sent CARR. P.D. and prove for yourselves THEIR SELLING POWER.

**F. MERTEN & CO., 72 Marlborough Rd., HOLLOWAY, LONDON**

## Wootton's "Chronicles of Pharmacy."

By arrangement with Messrs. Macmillan & Co., Ltd. we are able to offer this work (published by them at guinea net) to "C. & D." Subscribers at 7s. 6d. carriage paid in the United Kingdom, and 8s. 6d. Abroad. The work is by the late A. C. WOOTTON (for many years Editor of "THE CHEMIST & DRUGGIST"), and is in two volumes, bound in maroon cloth. The twenty-four chapters deal with every phase of the history of chemical and galenical pharmacy from the earliest time and include biographies and portraits of many noted men in medicine and pharmacy. The "Chronicles" tell about the origin of the more popular medicines and trace their development to official status. Most fascinating and readable to pharmacists, who are advised to secure a copy by ordering from

"THE CHEMIST & DRUGGIST," 42 CANNON STREET, LONDON, E.



# Pharmaceutical Council Election, 1914.

## PHARMACEUTICAL COUNCIL ELECTION, 1914



**Mr. F. E. BILSON (Bournemouth)**

F. BILSON has been in business for 28 years at Bournemouth, has been active in local Association work, and has held the office of President.

At the present time he is President of the recently formed Hants County Association and is responsible for much of its success.

Local Insurance has claimed his attention, and he holds every position open to local pharmacist on the Borough of Bournemouth or the Hants County Councils. He is therefore conversant with the troubles of both Town and Country pharmacists under this Act, and is in full sympathy with chemists in Rural Area and their difficulties under the Mile Limit Clause.

Having served already three years on the Council, he is fully acquainted with its workings.

Days progressive, the fundamental changes that have been made during the past year to bring the Council and its officers into unison with the Craft at large has had his earnest and loyal support, and it is his intention, if elected, to do everything in his power to bring about a still further increase in the harmony between all sections, to defend our rights, to maintain our privileges and to increase our prestige.

Cannot do without any member of the Council who has taken part in pressing forward carrying out the re-organisation of the Society, because there is now greater efficiency, more economy and a better understanding than has previously existed.

Therefore, urge you to support Mr. Bilson, that he may help to carry on the work to its completion.

THE MEMBERS OF  
The Bournemouth  
Pharmaceutical  
Association,

The Brighton and  
Hove Association of  
Pharmacy,

The Hants County  
Pharmacists'  
Association,


The Dorset County  
Pharmacists'  
Association,

The Portsmouth and  
District Association of  
Pharmacists,

The Southampton and  
District Pharmacists'  
Association

ARE PLEASED  
TO SUPPORT, AND

**Ask Your VOTE  
and Interest for  
F. E. BILSON,**  
of Bournemouth.



### VOTE FOR

**DANIEL ARNOTT,**  
Portypridd, member  
of the Advisory Com-  
mittee to the Welsh  
Insurance Commis-  
sioners, who knows all  
the points, and what  
to fight for to better  
the position of Phar-  
macists.

**SECOND HAND CHEMISTS' FITTINGS.**—We have an exception-  
ally fine selection of these in all sizes; prices are right and  
goods are in first-class condition; we shall be pleased to supply  
particulars and prices. Call or write, RUDDUCK & CO., 262 Old  
Street, E.C.

**CHEMISTS' Second-hand Modern Fittings.**—14-ft. Drug Fitting;  
10-ft. Glass-fronted Counter; Nest of Counter Drawers;  
6-ft. Dispensing Screen and Counter; Perfumery Case and Desk;  
Mahogany and Bent Plate-glass Counter Case; 8-ft. Window  
Enclosure and Plate-glass Mirror; the lot £49, bargain; send  
for sketches; cheapest house for structural alterations, Shop-  
fronts, Window Enclosures, Glass Shelves; Estimates free. H.  
MILLS, Chemists' Shopfitter, Shopfront Builder, and Glass Facia  
Works, 163-5 Old Street, E.C.

**BEST** cash price for all old Cameras, any make, also all old  
Photo goods, no matter how damaged; any kind you may have  
send them along; cash will be sent same day; no waiting; we buy  
all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

**OWNERS** of Proprietary Articles who wish to extend their  
sales are invited to communicate with advertiser, who has  
had 30 years' experience in working same and has made splendid  
successes. Apply, 71/39, Office of this Paper.

**SODA-WATER Trolley**, that makes heavy work light, and on  
which a boy of 8 can easily convey 3 dozen syphons; will go  
through any doorway; dozens in use in all parts of the  
country; carriage paid, 37s. Sole Makers, Arthur & Co., 9 K.P.,  
Cambridge.

**PRINTING** tastefully in design, produced under proper and healthy  
conditions from modern type, at up-to-date prices; Brochures,  
Packet, Handbill, Business Stationery and General Printing; have  
you seen samples? a postcard (printed heading) will bring them.  
Walter Knight, Chemists' Printer, Rushden. Established 1895.

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per  
word if we register the address and attach a number.

Price-lists, trade circulars, samples, and printed matter can in  
no case be forwarded, the Box numbers being intended exclusively  
for specific answers to particular advertisements. The Publisher  
reserves the right to open and refuse to forward any communica-  
tions received which he may consider contrary to this rule.

## FOR DISPOSAL.

### OPTICAL AND PHOTOGRAPHIC.

72 miscellaneous microscopic slides, 2s. doz., 9s. 6d. lot; 7 doz.  
pathological slides, 2s. 6d. doz., in pine cabinet 12s. lot.  
Linton, 86 Freedom Road, Sheffield.

### SHOP FITTINGS.

FOUR 12-gall. pear-shape earboys, cut stoppers; what offers?  
Cole & Son, Weymouth.

## WANTED.

DENTAL case for left-hand door-post. Bennett, 315 Edgware  
Road, London.

3-FT. counter case, pill machine, in good condition, cheap. Ball,  
101 Lytham Road, Backpool.

A SECOND-HAND laryngoscope mirror. State lowest price,  
Clayton, 75 Palmerston Road, Southsea.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for  
valuation; cash offers per return. Gower, Bookseller, 41  
Voltaire Road, Clapham, London, S.W.

PARSON'S "Diseases of Eye," Laurence's "Visual Optics,"  
Taylor's "Key to Sight-testing"; good condition essential.  
Bates, 576 Coventry Road, Birmingham.

## MISCELLANEOUS.

**MADAM & TUCKNISS**, Sharedealers, Bank Chambers, Black  
Heath, S.E. Established 1898. Telephone 81 Lee Green.  
Bills for Sale (free of commission, subject).—125 Allenbury  
£6 per cent. Preference, 23s. 6d.; 200 International Sponge  
6 per cent. Preference, 10s. 10½d.; 100 St. Ivel 6 per cent.  
Preference, 16s. 9d.; 200 Pears' Ordinary, 35s. 6d.; 60 Castner  
Kemp, 56s. 9d.; 400 Lewis & Burrows' Ordinary, 4s. 9d.;  
200 Albion Carbide, 32s. 1½d.

Wanted (subject).—Camwall Preference and Debentures; 100  
John A. Preference, 5s.; £500 Debentures, 61; 450 Wright  
Latham Preference, 20s. 9d. xd.

Lot of Shares for Sale and Wanted sent free on application.  
Every effort made to effect business for Buyers and Sellers in  
all Stocks and Shares. Bankers, London County and Westminster.

**SECOND-HAND FITTINGS.**—The entire modern Fittings of a  
medium-size Store, condition nearly new, consisting of a  
12-ft. Drug Fitting; 1 9-ft. Glass-fronted Counter; 1 10-ft. ditto,  
both full of Drawers at back, solid Mahogany tops; 1 12-ft. by  
9-ft. Wall Case; 1 5-ft. by 9-ft. Wall Case, Mahogany; 1 5-ft.  
Glass Counter Perfumery Case and Desk; Cash Till; 2 Silent Sales-  
man Showcases; Mahogany and Embossed Window-enclosure, and  
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## Nursing Exhibition.

THE seventh annual Nursing and Midwifery Exhibition, held this week at the Royal Horticultural Hall, Westminster, London, S.W., is a great success from the point of view of attendance, though there are few novelties displayed. The extensive system of free sampling is no doubt greatly responsible for the popularity of the Exhibition. Many of the exhibitors present nurses with neat packages containing an assortment of their goods, while others charge a nominal sum for them. Apparently it is good business to woo the good will of the nursing fraternity, judging from the huge piles of samples at some of the stalls. In addition hundreds of signatures are being entered for postal sampling. The palm for the best presentation case of samples must be awarded to Allen & Hanburys, Ltd. Their handsome carrying case looked like crocodile leather. It contained an assortment of their dietetic preparations, and nurses are reminded that babies fed on "Allenburys" foods gained first prize, as well as two seconds and a fourth, in the "Daily Sketch" competition out of 164,000 babies. Byno-Chrimol and "Allenburys" baby soap were also accorded especial attention. Infants' and invalids' foods are greatly in evidence. Fairchild Bros. & Foster feature peptogenic milk powder mainly, their other peptonising products, panopepton and pepsencia, serving as adjuncts. Burroughs Wellcome & Co. give baby's welfare chief consideration, stress being laid upon "Kepler" malt extract as a simple and economical means of humanising cow's milk. "Laxamol," a malt combination, is claimed to contain the highest percentage (80 per cent.) of liquid paraffin in jelly form. It has a delicious delicate flavour. Savory & Moore add to their good display their peptonised-milk preparations, fructolax (hydrocarbon jelly), and aphrodont (tooth-paste). Bovril, Ltd., are concentrating on invalid bovril, and "before" and "after" examples of Virol feeding are exhibited at Stand 7B. Tasting examples of Oxo are also available, and Horlick's malted milk is on free demand as a beverage, even though a small fee is required. Nurses have much faith in the tonic properties of medicated wines, judging from the demand for Wincarnis at the stand of Coleman & Co. and Hall's wine, Carvino, and Keystone Burgundy from Stephen Smith & Co., Ltd. Albulactin as the final solution of the problem of artificial feeding of infants is the message at the handsome stand of A. Wulff & Co. Pure unpreserved thick cream in hermetically sealed tins is the latest production of the Nestlé and Anglo-Swiss Condensed Milk Co., another addition to the armamentarium for "humanising" cow's milk. Ideal unsweetened milk and "Milo" food form the bulk of their display. Casein foods are shown by Casein, Ltd. (vi-casein) and Prideaux's Casein and Life Food Co. (casumen). Neave's food and Robinson's groats and barley are also the subject of special displays. Glaxo have a special annexe. Py-shan Points tea is a contribution of Thomas Christy & Co. to the solution of digestive troubles, while Glyco-thymoline is indicated in complaints of the mucous membrane. Parke, Davis & Co. are emphasising the value of euthymol preparations, especially the exceptionally high germicidal value of the tooth-paste. Eucryl, Ltd., point out why their tooth-powder can be regarded as a national dentifrice. The H. K. Mulford Co.'s stand is bright with their fine talcum-powder container; predigested beef, castor-oil cordial, and bismuth formic iodide dry-dressing are the other principal lines shown. Chas. Zimmermann & Co. display a new deinfecant in tablet form (Grotan). Anemia is prevalent among the nursing community, judging from the crowd around the stand of the Jelloid Co. Fructolax as the ideal fruit laxative has a bright stand to itself. The Chas. H. Phillips Chemical Co. have a busy time supplying the demand for "milk of magnesia" samples, and the corner occupied by the sanitary towels and appliances of Southall Bros. & Barclay, Ltd., is another magnetic attraction. J. G. Ingram & Son have a full display of their "Agrippa" band test and valve, as well as the fine range of enemas now available. Their new bed and cot sheets appeal especially

to nurses; while the latest novelty here is a hot-water bottle with projecting lugs on the stopper (Roya patent) to make leakage at the neck impossible. Les & Burrows, Ltd., give first place to clinical thermometers at 9½d. and 1s., paraffin medication also bulky. Mineral waters are represented by Hunyadi Jai and Vittel waters. Scholl's "toe-flex" is a new device for making crooked toes straight; it has greater resiliency than the older form of "toe-right." Foot-easers are also the subject of scientific discourse here. Other exhibits of interest to chemists are made by the Anglo-Chemical Co., J. L. Bragg, Ltd., Brand & Co., Ltd., Kines Incorporated (dental cream), Manhu Food Co., Ltd., Newton, Chambers & Co. (izal. preparations), Sanily Wood-wool Co., Ltd. (Hartmann's towels, etc.), Thwaites hot-air bed radiator. The remainder of the exhibits range from books, boots, clothing, and the newest form of baby's diaper to expensive surgical apparatus, including the Bergonic apparatus (electric) for obesity treatment at a cost of over 70l.

## COMING EVENTS.

This section of the "C. & D." is reserved for advance notice of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

### Monday, May 4.

Royal Society of Arts, John Street, Adelphi, London, W.C. 8 p.m. Mr. W. Burton on "Some Recent Developments in Ceramic Industry" (Cantor Lecture II.).  
Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 p.m. The Hon. R. C. Parsons on "Apparatus for the Automatic Measuring and Injection of Chemicals"; Dr. Oscar Nagel on "Jets for Mixing"; Dr. W. R. Hodgkinson on "A Reaction of Tetranitromethane".

### Wednesday, May 6.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 11 a.m. Council-meeting.  
Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin, at 3 p.m. Council-meeting.  
Nottingham Pharmaceutical Association, Victoria Station Hall, at 8 p.m. Social meeting.

### Thursday, May 7.

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 p.m. Among the papers to be communicated are the following: "Researches on Santalin. Part II." by Mr. J. C. Cain, J. L. Simonsen, and C. Smith; "The Nature of Molecular Association: Its Relation to Chemical Combination" by Messrs. W. E. S. Turner and S. English; "The Action of Diastase on Starch Granules," by Messrs. J. L. Baker, H. F. E. Hulton; "Contributions to the Chemistry of Terpenes. Part XVII.—The Action of Hypochlorous Acid on Camphene," by Messrs. G. G. Henderson, I. M. Heilbron, M. Howie, and "Reactions by Trituration," by Mr. L. Parker.  
North London Pharmacists' Association, St. Padern's, York, Gloucester Road, Seven Sisters Road, Holloway, N., at 3.30 p.m. Mr. W. J. Uglov Woolcock on "The Society and its Work."  
West Ham Association of Pharmacists, Earlham Hall, Forest Gate, London, E., at 2.30 p.m. Business meeting. At 3.30 p.m. discussion on "Co-operation" by representatives of Uval.  
Great Yarmouth Pharmaceutical Association, at 8.30 p.m. Ordinary meeting.

### Friday, May 8.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 p.m. Professor Karl Pearson, F.R.S., on "Albinism in Men and Dogs."  
Association of Women Pharmacists, Dr. Williams's Library, Gower Street, London, W.C., at 8 p.m. Professor H. G. Green, F.I.C., lantern-lecture on "The London Docks and their Commerce in Drugs."

CHEMISTS' DENTAL SOCIETY.—The annual meeting will be held at the Holborn Restaurant, London, W.C., on May 30, at 3 p.m.

CHEMICAL SOCIETY.—The Faraday lecture will be delivered in the Royal Institution, Albemarle Street, Piccadilly, London, W., on May 25, at 6 p.m. Admission is by ticket.

LOCAL LODGE OF PHARMACY.—A meeting will be held at the office of the National Cash Register Co., 225 Tottenham Court Road, London, W., on May 14, at 3 p.m. Mr. Storey will lecture on "Modern Advertising."

THE WEST HARTLEPOOL LOCAL PHARMACOPŒIA, which has been produced jointly by the panel practitioners and chemists, is a forty-page booklet containing thirty formulae and reprints of eighteen of those contained in the British Pharmaceutical Codex. In the beginning is a preface of "Notes," which deals with such questions as "F. M. S.," trade-mark names, and Tariff limitations.



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